



# Technical Data Sheet

## Product

## Type

**COUNTER RUST™ 860**

**Rust Preventive**

**Premium light color, low odor, thin-film calcium sulfonate based water displacing rust preventive soluble in oil and solvent**

## Application

Counter Rust 860 is a cost effective, thin-film, water displacing rust preventive which is free from barium and other heavy metals. Counter Rust 860 provides excellent protection against salt and humid atmospheres when formulated in petroleum solvent and/or oil solutions.

Counter Rust 860 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 860 has demonstrated over 75 hours of protection yet the film is easily removed.

Counter Rust 860 is non-staining on a variety of ferrous and non-ferrous metals.

## Typical Properties

Test	Typical
Appearance	Light Color Waxy Solid
Specific Gravity at 60°F	0.90
Total Base Number, mg KOH/g	2.0
Total Acid Number, mg KOH/g	25
Congeval Melt Point °C	32

## 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
- Light color and low odor

## Performance

Counter Rust 860 (% 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	>40	>1200
15.0	85.0	0	>50	>1200
20.0	80.0	0	>65	>1200

## Suggested Formulations

### Moisture displacing rust preventive coating:

Counter Rust 860	10.0 -20.0%
Mineral spirits	Balance

### Oily thin film finished rust preventive

Counter Rust 860	10.0 - 15.0%
150 S/N paraffinic oil	10.0 – 40.0%
Aliphatic high flash solvent	Balance

## Storage and Handling

Recommended Maximum Long Term Storage Temperature*	55°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.



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