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| Product | Type |
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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

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

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

| Counter Rust 7010 (% by wt.) | High Flash Mineral Spirits (% by wt.) | ASTM B-117 Salt Spray Hours to Fail | ASTM D 1748 Humidity Cabinet Days to Fail |
|------------------------------|---------------------------------------|-------------------------------------|---|
| 15.0 | 85.0 | >50 | >60 |
| 20.0 | 80.0 | >85 | >60 |

Suggested Formulations

Moisture displacing rust preventive coating:

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

Oily thin film finished rust preventive

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| Counter Rust 7010 | 10 - 15% |
| 100 SUS naphthenic oil | 10 - 15% |
| Aliphatic high flash solvent | Balance |

Storage and Handling

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| Recommended Maximum Long Term Storage Temperature* | 45°C / 113°F |
| Recommended Minimum Temperature for Use | 45°C / 113°F |
| Flash Point | >340° F COC |

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



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