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COUNTER RUST™ 108

Corrosion Inhibitor – Metal Protection

Amine borate, amine carboxylate

Application

Counter Rust 108 is a water-based corrosion inhibitor designed to protect all ferrous metals and non-ferrous metals at low treat rates starting as low at 0.1% in the end use depending on the application.

Counter Rust 108 has a low pH allowing the formulator the ability to adjust pH with any alkalinity source. The low pH makes it ideal for formulating fluids for use on aluminum or other metals subject to staining at a higher pH.

Counter Rust 108 is ideal for use in synthetic metalworking fluids, cleaners and other water-based industrial fluids.

Typical Properties

Test	Typical
Appearance	Clear Viscous Golden Liquid
Specific gravity at 25° C	1.1
pH of a 1% solution	7.0
Pounds per gallon @15.6° C	9.16
Total Boron, wt.%	1.75

Benefits

- Effective protection for ferrous and several non-ferrous metals at low treat rate
- Non-foaming and excellent hard water stability
- Leaves a non-tacky film removable with alkaline cleaners
- Will not stain yellow metals
- Provides additional lubricity at higher pH

Suggested Formulation Details

- In acidic condition Counter Rust 108 must be adjusted to pH 6.4 for stability
- Counter Rust 108 should be used at pH 8.0 for ferrous metals for maximum effectiveness
- pH can be adjusted using any alkalinity source
- At pH >8.0, Counter Rust 108 is highly effective on steel and cast iron

Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient – Do not Exceed 113° F
Recommended Minimum Temperature for Use	Ambient
Flash Point	None to boiling

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



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