



Product	Type
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COUNTER RUST™ T-18 Corrosion Inhibitor – Metal Protection

Water soluble corrosion inhibitor

Application

Counter Rust T-18 is a very cost effective water soluble corrosion inhibitor containing 7% elemental boron for ferrous metals. It is completely soluble in water and dispersible in oil. It is compatible with most amides and salts of mono and di-carboxylic acids.

Counter Rust T-18 is an excellent corrosion inhibitor for ferrous and several non-ferrous metals at 0.5 – 1% in synthetic and semi-synthetic fluids. Dipping ferrous metal parts in a 5% solution of Counter Rust T-18 will leave a dry-protective film for short term protection from humidity. It is an excellent sump_side additives to boost pH and added bio resistance.

Counter Rust T-18 is ideal for use in synthetic metalworking fluids, alkaline cleaners and water-based quenchants.

Typical Properties

Test	Typical
Appearance	Clear Reddish Liquid
Specific Gravity at 25° C	1.094
pH at 5 % in water	9.5
pH as received	9.9

Benefits

- Highly concentrated, cost-effective corrosion inhibitor
- Easily incorporated in all types of fluids including soluble, semi-synthetic, synthetic, alkaline cleaners and final rinsing fluids
- Adds bio stability
- Excellent source of reserve alkalinity

Performance

Corrosion on Cast Iron Chips (ASTM 4627-86)

	% in Water	pH	Corrosion
Counter Rust T-18	0.5	9.0	None

Suggested Formulation Details

- As a corrosion inhibitor:- 0.5 – 1.0 % by weight in the finished fluids (8-12% IN THE CONCENTRATE)
- As a short-term rust preventive: 5% in water

Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient – Store in tightly closed drum
Recommended Minimum Temperature for Use	Ambient – use in well-ventilated place
Flash Point	None to boiling

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



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