



# Technical Data Sheet

<b>Product</b>	<b>Type</b>
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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 dicarboxylic 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 additive 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 yellowish liquid
Specific gravity at 25° C	1.25
Boron, wt. %	7
pH of a 5% solution	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 biostability
- 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.



### TRU Full Circle Additives

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## TRU Full Circle Additives

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