

# RUST RID SP

SURFACE RUST / TARNISH REMOVER / VIBRATORY / ULTRASONIC CLEANER

## ▶ PRODUCT DESCRIPTION

**Rust Rid SP** is a uniquely formulated, water based surface rust and tarnish remover for all metals. Rust Rid SP is ideally suited for manually removing surface rust on cast iron alloys, tool steels, and all carbon steels. It is slightly less effective on stainless steel alloys. The product is most effective against surface and blush rust. Its mildly acidic formulation (citric acid based) contains a unique blend of surfactants for the effective loosening and removal of surface corrosion from ferrous substrates. It is especially effective at removing surface rust from machine surfaces (tables and tooling) due to improperly maintained or contaminated metalworking fluids.

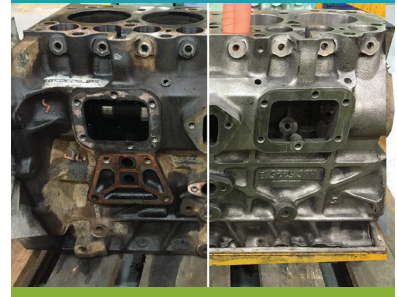
Rust Rid SP demonstrates exceptional wetting and coverage properties allowing for uniform performance on all metals. Rust Rid SP exhibits moderate foaming characteristics. Rust Rid SP is also an effective tarnish remover for all yellow metals including copper and brass alloys. It is especially effective as a tarnish remover for vibratory or ultrasonic immersion applications for yellow metals.

Although heat accelerates the corrosion removing capabilities of Rust Rid SP, it can be extremely effective at ambient temperatures, given sufficient concentration, processing time, and use directions are closely followed.

## FEATURED BENEFITS

- Mild acidic pH for easy handling and worker health and safety
- No heavy metal or hazardous ingredients
- Optimal performance via manual or mechanical applications
- High detergency/surfactant package for effective corrosion removal

## APPLICATION



### COMPATIBLE METALS

Cast Iron  
Carbon Steel  
Tool Steel  
Stainless Steel  
Copper  
Brass Alloys

### APPLICATION METHOD

Immersion Tank  
Ultrasonic

### OPERATING TEMPERATURE

Ambient – 150°F (to 65°C)

### DILUTION RANGE

5 – 20% v/v





### TYPICAL PROPERTIES

Fluid Type	Water based/slightly acidic
Appearance	Clear, light amber fluid
Specific Gravity, 60°F (15.6°C)	1.10
Weight, lb/gal., 60°F (15.6°C)	9.18
pH (10% dilution)	4.00

### PRODUCT APPLICATION / USAGE

**Rust Rid SP** should always be mixed with water for use. Always add product concentrate to the water, not water to product concentrate. For surface corrosion on ferrous surfaces, spray diluted product onto the surface and let it soak for several minutes. Then wipe the treated surface clean with a damp cloth. For more severe surfaces, use an abrasive pad to help loosen the rust after soaking and prior to the final removal with a damp cloth. Use a 10/1 dilution for light rust removal. For heavier corrosion, use a 5/1 dilution.

Follow the same general directions for tarnish removal from yellow metals (5/1 to 10/ dilutions). For vibratory and ultrasonic applications, follow the use directions in the table below.

Operation	Temperature	Immersion Concentration
Surface Rust (ferrous substrates)	Ambient – 150°F (to 65°C)	10 – 20%
Surface Tarnish (yellow metals)	Ambient – 150°F (to 65°C)	5 – 15%

### MIXING DATA

**Rust Rid SP** concentrations are best monitored by means of a Refractometer.

Rust Rid SP (%)	20.0	15.0	10.0	5.0	2.5
Refractometer Reading	8.0	6.0	4.0	2.0	1.0

### PRODUCT CODE

411650000

### HEALTH AND SAFETY

For health and safety guidance, please refer to the Chemtool SDS (Safety Data Sheets).