

# RUST RID

## NEUTRAL PH RUST REMOVER

### ▷ PRODUCT DESCRIPTION

**Rust Rid** is a uniquely formulated water-based rust remover that exhibits a near neutral pH. Rust Rid is ideally suited for removing rust on cast iron alloys, tool steels, and all carbon steels. Rust Rid is most effective against surface and blush rust. Rust Rid contains no caustic, toxic, or hazardous components.

Rust Rid offers excellent wetting and de-foaming properties allowing for uniform coverage on complex part geometries in immersion applications.

Note: For best results it is recommended that Rust Rid be used in immersion baths for optimum exposure and coverage. In addition, if Rust Rid is to be used for extended periods of time, it should be used only in process vessels composed of plastic, fiberglass, or stainless steel alloys (316 stainless steel) to avoid potential chelation and staining of process vessel surfaces.

Although heat accelerates the rust removing ability of Rust Rid, it can be extremely effective at ambient temperatures if given sufficient concentration and processing time. For purposes of testing, evaluate Rust Rid at 15% to 25% in cold solutions and 5% to 20% in solutions at 140°F or 160°F depending on the substrate metallurgy and condition as well as the type and degree of corrosion being removed. Initial screening evaluations should be conducted in the lab prior to full-scale implementation under industrial conditions.

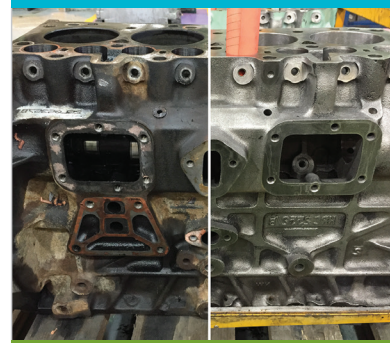
### ▷ FEATURED BENEFITS

- Neutral pH for easy handling and worker health, safety, and piece of mind
- Low use concentration assures low consumption and cost effectiveness
- Dilutes easily and hard water stable
- Low foaming
- Excellent wetting and coverage on all ferrous alloys

### ▷ APPROVALS

- Super-compliant for California SCAQMD Rule 1144

### APPLICATION



#### COMPATIBLE METALS

Cast Iron  
Carbon Steel  
Tool Steel  
Stainless Steel

#### APPLICATION METHOD

Spray  
Immersion Tank/Agi-Lift  
Ultrasonic

#### RECOMMENDED

##### OPERATING TEMPERATURE

Ambient to 160°F (71°C)

##### DILUTION RANGE

5 – 20% v/v

##### FOAMING CHARACTERISTICS

Low

##### RUST PROTECTION

Limited Indoor





## TYPICAL PROPERTIES

Fluid Type	Water based/slightly acidic
Appearance	Straw yellow liquid
Odor	Chemical
Specific Gravity, 60°F (15.6°C)	1.19
Weight, 60°F (15.6°C)	10.0 lbs/gal.
pH (concentrate)	7
pH (10% dilution)	6.8
Freeze Point	25°F (-4°C)
VOC, ASTM 1868	Nil

## PRODUCT APPLICATION / USAGE

Rust Rid should always be added to the water in the system tank with mild agitation. Mild agitation during use will also improve performance. Filter accumulated rust from the system over time.

Operation	Temperature	Cast Iron and Ferrous Alloys
Spray Washer	Ambient to 160°F (to 71°C)	10 – 25%
Immersion Tank / Agi-Lift	Ambient to 160°F (to 71°C)	5 – 20%

## MIXING DATA

Rust Rid fluid is to be mixed with water for use. Always add product concentrate to the water, not water to product concentrate. Add with mild agitation. Product concentration can easily be monitored by refractometer.

Concentration	20.0%	15.0%	10.0%	7.0%	5.0%
Refractometer Reading	5.00	3.75	2.50	1.75	1.25

## PRODUCT CODE

4116300000

## HEALTH AND SAFETY

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