

# SOLO|RI™ ULTRA

## Long Term Aqueous Rust Inhibitor

### Applications

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**SOLO | RI™ Ultra Aqueous Rust Inhibitor is an additive for the rinse tank.** Supplied as a concentrated liquid formula **designed for LONG TERM Rust Protection.** Residue free liquid, provides cost effective solutions to corrosion, flash rusting and discoloration problems by delivering a corrosion resistant film on various metals including Cast Iron, Carbon Steel, 400 Series Stainless Steel, Copper, Bronze, Aluminum and their Alloys. It provides a Full Corrosion Inhibition Package and extended bath life.

Environmentally  
Safe

Non-HAPs

Zero VOC

Non-Combustible

Non-Caustic

Biodegradable

### General Properties

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**SOLO | RI™ Ultra Aqueous Rust Inhibitor** does not contain Mineral Spirits, Sodium Nitrile Silicates, Phosphates, Mineral Spirits, Phenols, or Chrome Compounds. No SARA 313, non-Hazardous, non-Corrosive, non-carcinogenic, non-mutagenic, non-teratogenic.

### Use Application

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Following cleaning process, depending on the metals, **3 - 10 minutes submersion of components in the rinse tank of SOLO | RI™ Ultra Aqueous Rust Inhibitor with water at operating temperature of 68 - 110 °F as follows:**

\* **INDUSTRIAL CLEANERS**

An additive for the rinse tank, no final rinsing is required, use 2 - 3 % by volume concentration.

\* **FLASH RUSTING OF METAL COMPONENTS - STEEL (CAST IRON), COPPER, COPPER ALLOYS:**

2 - 3% CONCENTRATION - SEVERAL DAYS OF PROTECTION

4 - 7% BY VOLUME CONCENTRATION - UP TO 4 WEEKS

5 - 10% BY VOLUME CONCENTRATION - OVER 1 MONTH

\* **DISCOLORATION OF ALUMINUM:**

1 - 5% BY VOLUME CONCENTRATION

**Suitable Equipment:** Immersion (with or without ultrasonic), Spray Under Immersion, In-line Spray, High Pressure Spray or Tumblers.

**To obtain extended bath life, this product can be used with oil skimming or coalescing systems.**



## Typical Properties

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Appearance:	Clear yellow water thin liquid
Flash Point:	>200 Seta Flash
Odor:	Mild
Surface Tension (dynes/cm 24) (water = 1.0):	24
pH (Full Strength):	10.20
pH (10% solution in water @ 68 °F):	9.86
Ideal Operating Temp (°F):	68°F - 110°F
Ideal Operating Concentration:	varries
Specific Gravity (@ 68 °F)	1.083
Weight/Gal. (lbs. /gal.)	9.21 - 9.22

## Safety and Handling Precautions

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**SOLO | RI™ Ultra Aqueous Rust Inhibitor** Direct contact **may cause** a mild skin or eye irritation, it is important to utilize recommended gloves (18 mil thick natural rubber), safety goggles and other suitable protective clothing your company recommends. Harmful if inhaled or swallowed. Do Not take internally. Keep out of reach of children; **Use product with adequate ventilation.** If splashed in eyes or on skin, wash off with plenty of water. If swallowed remove from exposure area, do not induce vomiting, washout mouth thoroughly with water and drink several glasses of water. Keep at rest. Call a physician immediately. **Refer to material safety data sheet prior to use.**

## Disposal

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Solutions containing hazardous or non hazardous oils, grease, cutting fluids and other contaminants should be handled and treated according to Federal, State and Local Environmental Laws. Even though **SOLO | RI™ Ultra Aqueous Rust Inhibitor** is biodegradable, the spent material should not be disposed of in any sewerage system. Discharge your waste and rinse water according to Federal, State and Local Regulations.

## Storage/Packaging

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Packaged in HDPE UN Rated 1, 5 gallon pails, and 55 gallon drums. This product should be kept in its original container above freezing and less than 100 °F.

**Store drums in a dry area.**

## HMIS Rating

Health 1      Fire 0      Reactivity 0

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