



# Global Specialty Products

USA, Inc

## **SOLO-RI<sup>TM</sup>**

**AQUEOUS RUST INHIBITOR - ZERO VOC**  
Non-HAPs, Non-regulated, Biodegradable

**Prevents corrosion, rust, staining and discoloration from forming on ferrous and non-ferrous metal surfaces including Steel, Copper, Brass, Aluminum, Titanium and their Alloys.**

### **EASY TO USE - NO RESIDUES FOLLOWING RINSE:**

Use diluted down with water 1 - 3% concentration, at an operation temperature of 68 –140 °F. To obtain extended bath life, this product can be used with oil skimming or coalescing systems. Suitable for immersion, ultrasonic and low – high pressure spray systems.

### **ENVIRONMENTALLY FRIENDLY - NON FLAMMABLE - BIODEGRADABLE:**

**NO** Mineral Spirits, Phenols, or Chrome Compounds  
**NO** SARA Title 313 or HAPPS Reporting  
minimum safety, handling & storage is required

### **WORKER FRIENDLY:**

Non-carcinogenic, non-mutagenic, non-teratogenic

### **LONG TERM RUST PROTECTION - WIDE MATERIAL COMPATIBILITY:**

To achieve long term rust protection on ferrous metals, **do not rinse parts with water**. It is **highly recommended** that Aluminum, Titanium, Brass, Copper and Copper Alloys be rinsed with warm water.

## TYPICAL PROPERTIES

<b>Appearance</b>	Clear Yellow Liquid	<b>Flash Point (°F)</b>	>200
<b>Odor</b>	Mild	<b>Surface Tension</b> (dynes/cm)	24
<b>pH (10% solution in water @ 68 °F)</b>	10.0 - 11.5	<b>Ideal Operating Temp (°F)</b>	68 - 140
<b>pH (Full Strength)</b>	11.7 - 12.0	<b>Ideal Operating Concentration</b>	1 - 3%
<b>Specific Gravity (@ 68 °F)</b>	1.175 - 1.185	<b>Weight/Gal. (lbs. /gal.)</b>	9.80

### RINSE PROCESS:

**SOLO RI™ AQUEOUS RUST INHIBITOR** is a concentrated liquid formula designed for long term and extra rust protection of ferrous and non-ferrous metals. Use this product diluted down with water 1 - 3% concentration by volume, at an operating temperature range of 68 °F - 140 °F. For protecting aluminum, titanium, brass, copper, and copper alloys, do not exceed operating temperature of 120 °F in the rinse tank. Solution spray, mechanical, or ultrasonic agitation is used to enhance the performance. For the final rinse, parts can be rinsed off with distilled warm water. Use filtered hot air to dry out the parts.

### METALS COMPATIBILITY:

**SOLO RI™ AQUEOUS RUST INHIBITOR** is compatible with the following ferrous and non-ferrous metals;

**ALUMINUM ALLOYS**  
**TITANIUM ALLOYS**  
**CARBON STEELS (AISI AND SAE)**  
**CAST IRONS (HIGH CARBON STEELS)**

**NICKEL ALLOYS**  
**COPPER ALLOYS**  
**STAINLESS STEELS**

### DISPOSAL:

Solutions containing hazardous or non hazardous soils should be handled and treated according to Federal, State and Local Environmental Laws. Even though **SOLO RI™ AQUEOUS RUST INHIBITOR** is biodegradable, the spent material should not be disposed of in any sewerage system. The used material should be characterized and discharged according to Federal, State and Local Regulations.

### PACKAGING/STORAGE:

Packaged in HDPE UN Rated 5 gallon pails, 55 gallon drums and 275 gallon totes. The product should be kept in its original container above freezing and less than 100 °F. Store drums in a dry area.

### HMIS RATING:

Health 2                      Fire 0                      Reactivity 0

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