



# Global Specialty Products

USA, Inc

## SOLO-RI™ - ULTRA

### LONG TERM AQUEOUS RUST INHIBITOR

Zero VOC - 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.

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

**NO** - Sodium Nitrile Silicates, Phosphates, 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

#### EASY TO USE - NO RINSING REQUIRED:

Use diluted down with water 1 - 5% concentration

At an operation temperature of 68 - 100 °F.

### 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</b> (10% solution in water @ 68 °F)	9.86	<b>Ideal Operating Temp (°F)</b>	68 - 100
<b>pH</b> (Full Strength)	10.20	<b>Ideal Operating Concentration</b>	2- 3%
<b>Specific Gravity</b> (@ 68 °F)	1.083	<b>Weight/Gal.</b> (lbs. /gal.)	9.0

## LONG TERM RUST PROTECTION:

2 - 5% concentration will provide up to 4 weeks

5 - 10% will provide 4 weeks and beyond

## APPLICATION PROCESS:

Depending on the metals, 3 - 10 minutes submersion of components in diluted **SOLO RI™ ULTRA**, with water at operating temperature of 68 - 100 °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

## 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™ ULTRA** 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 1                      Fire 0                      Reactivity 0