



# Innovation in Metalworking Fluids



## Protect Rite 401

*Short Term Indoor Rust Preventive*

### Description

Protect Rite 401 is a synthetic, oil-free, water based rust preventive for temporary indoor corrosion protection. Protect Rite 401 will deposit a dry, non-discernable film on metal surfaces and can be added to your metalworking fluid at the sump level to extend the storage life of parts in between machining processes.

### Applications

Protect Rite 401 is recommended when rust protection is needed for metal surfaces that are exposed to mildly humid conditions, such as:

- Indoor storage < 4 months
- Final rinse protection of cleaner lines
- Sealer prior to painting or coating
- Dipping machined parts in-process

### Typical Properties

<b>Property</b>	<b>Results</b>
Concentrate Appearance	Clear Amber Liquid
Odor	Mild Petroleum
Specific Gravity	1.06 @ 68 °F
Bulk Density	8.83 lbs/gallon @ 68 °F
pH @ 5% dilution	N/A

### Performance Features and Benefits

- Lengthens the corrosion protection of your typical semi-synthetic or synthetic metalworking coolant when the time between metalworking processes is too short to warrant a traditional rust preventive film being applied.
- Prevents flash rusting during processing.

### Directions for Use

Protect Rite 401 can be diluted with water to any concentration. Using at 5% on top of your metalworking coolant will provide a significant increase in rust protection. Results from a static humidity cabinet test, where panels are subjected to elevated temperatures and 100% humidity, are below.

	<b>Protect Rite 401 Addition</b>	<b>Static Humidity Cabinet Testing</b>
5% SynMAX 2515	0%	10 days
	5%	16 days
5% KOOLRite 2290	0%	1 day
	5%	10 days

**Note:** always let parts dry before packing and storing. Using warm water will decrease drying time substantially.

**Consult product SDS for complete product safety information.**