



**Product**

**Type**

**CUPRISAN®**

**Metal Processing**

**Nucleophile antagonist**

**Application**

CUPRISAN is a unique waste treatable copper complex designed to work synergistically with biocides.

CUPRISAN helps reduce the normally required dosages of biocides such as isothiazolinone-based microbicides by up to 80%.

CUPRISAN also eliminates and prevents the recurrence of most coolant-born odors such as the common rotten egg smell.

**Typical Properties**

<b>Test</b>	<b>Typical</b>
<b>Appearance</b>	<b>Dark blue liquid</b>
<b>Specific gravity at 25° C</b>	<b>1.19</b>
<b>pH as supplied</b>	<b>9.5</b>
<b>pH in use</b>	<b>Assumes pH of the fluid</b>
<b>Active ingredient (as Cu<sup>2+</sup>), by wt.</b>	<b>40,000 ppm</b>

**Benefits**

- Reduces biocide use by to to 80%
- Eliminates most common odors
- Aids in the stabilization of water-based cutting fluids
- Waste treatable

## Suggested Formulation Details

### Metalworking fluid concentrates:

**CUPRISAN** 1-2%  
For 10:1 to 40:1 dilutions

### Tank side additions:

½ to 1 gallon **CUPRISAN** per 1000 gallons of fluids

## Storage and Handling

Recommended Maximum Long Term Storage Temperature*	Ambient – Store in tightly closed drum
Recommended Minimum Temperature for Use	Ambient – use in well-ventilated place
Flash Point	None to boiling

\*Long term storage at temperatures above this may result in loss of performance.



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