



**COOLANT  
CONTROL<sup>INC.</sup>**

*The right chemistry...*

*...the right solution*

## Product Bulletin

# **CUPRISAN<sup>®</sup>**

## **Nucleophile Antagonist**

### **Description**

**Cuprisan** is a unique waste treatable copper complex designed to work synergistically with biocides. When used with an Isothiazolinone-based microbicide, as little as 20% of the normal dosage is required to attain a perfect kill and maintain a controlled fluid. **Cuprisan** will immediately eliminate and prevent the recurrence of most coolant-borne odors such as the common rotten egg smell. **Cuprisan** will also aid in the stabilization of water-based cutting fluids.

### **Typical Properties**

|  |  |
|--|--|
| Description .....                              | Dark blue liquid, essentially odorless |
| pH (neat) .....                                | 9.5                                    |
| pH (in use) .....                              | Assumes pH of the fluid being used     |
| Active Ingredient (as Cu <sup>+2</sup> ) ..... | 40,000 ppM                             |
| Specific Gravity .....                         | 1.185                                  |

### **Recommended Applications**

**Cuprisan** is typically used at 1 to 2% in metal working fluid concentrates. These concentrates are then further diluted from 10:1 to 40:1 with water.

Added sump side, typically 1/2 to 1 gallon of **Cuprisan** per 1000 gallons of fluid (20 to 40 ppM Cu<sup>+2</sup>) is all that is necessary to maintain a stable fluid. When **Cuprisan** is present in the in-use fluid, as little as 20% of the normal dosage of an Isothiazolinone-based microbicide is sufficient to achieve biological control.

**Cuprisan** also has applications in water tower treatment or in any application where biological control is being maintained with an Isothiazolinone-based microbicide.

### **Availability**

**Cuprisan** is available in 5 and 55-gallon non-returnable containers as well as 330 gallon returnable totes.

**Cuprisan** compositions and methods of use are protected by foreign and domestic patents both issued and pending.