



Technical Data Sheet

CUPRISAN[®] Nucleophile Antagonist

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 ⁺²)	40,000 ppM
Specific Gravity	1.185

RECOMMENDED APPLICATIONS

1. **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.
2. Added sump side, typically 1/2 to 1 gallon of **CUPRISAN** per 1000 gallons of fluid (20 to 40 ppM Cu⁺²) 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.
3. **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. All sales F.O.B. Detroit, MI

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

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