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Product Bulletin

CUPRISAN[®]

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 ⁺²)	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⁺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.

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.