

Cuprisan

Nucleophile Antagonist and Odor Control Agent

Description

Cuprisan is a unique waste treatable copper complex designed to neutralize odor causing sulfides and reactive cations such as Al^{+3} and Fe^{+2} . **Cuprisan** can be added tank-side or formulated into the coolant concentrate to provide long term odor control. **Cuprisan** works synergistically with biocides. When used with an Isothiazolinone-based microbicide, as little as 20% of the normal dosage is required to attain a complete 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 and will aid in the stabilization of water-based cutting fluids.

Performance Benefits

- Works synergistically with most biocides
- Safe to use
- Immediately eliminates most coolant odors
- Prevents odors from occurring after a prolonged shutdown

Recommended Applications & Dilutions

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 is formulated into the coolant concentrate between 1% and 2% by weight. If desired, biocides such as formaldehyde condensates can be added at 50% their normal level.

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

Characteristics

Properties	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Dark blue
pH of Concentrate	-	-	9.5
Density @ 15°C	lbs/gal	-	9.9
Copper	ppm	CCI Titration	40,000
Nitrites		-	No
Phenols		-	No