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CONTROL^{INC.}**

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...the right solution

Product Bulletin

BIO/TEC 14

Microbiocide

Description

BIO/TEC 14 is a high performance biocide for preserving metalworking and metal cleaning fluids. It has extremely broad-spectrum activity controlling bacteria, fungi, molds, and yeasts, while being compatible with most components in a formulation. Its very low use levels make **BIO/TEC 14** one of the most cost-effective biocides on the market.

Advantages

- Bactericide and fungicide
- Isothiazolone Blend
- Broad-spectrum Microbiological Control
- Economical, easily fed liquid
- Environmentally friendly
- Cost effective

Recommended Applications

The guideline for the maintenance of a non-fouled system is to use **BIO/TEC 14** microbiocide at a rate of 10 fluid ounces per 1,000 gallons of fluid every four weeks. Monitor the system to confirm that microbial control is being maintained. .

For a fouled system, use **BIO/TEC 14** at a rate of 16 fluid ounces per 1,000 gallons of fluid. Continue to dose at this level of **BIO/TEC 14** until control has been regained as determined by microbial testing of the fluid. Dosage rate and/or frequency is also dependent upon a number of other factors, such as the rate of dilution of the preservative with the makeup fluid, the nature and severity of contamination, level of control required, filtration effectiveness, system design, etc.

Years of use of the **BIO/TEC 14** isothiazolones for tankside treatment of metalworking fluid systems has shown that shock dosing as system with 1 gallon of **BIO/TEC 14** to 8,000 gallons of metalworking fluid has demonstrated optimum performance. Maintaining a system by monitoring the level of microbial contamination and adding **BIO/TEC 14** at a rate of 1 gallon per 8,000 gallons of fluid when microbial contamination is detected will optimize the use of the **BIO/TEC 14** and prevent losing control of the system which may result in having to dump and recharge with fresh fluid.

Typical Characteristics

Appearance	Clear Amber liquid
Odor	Mild aromatic
pH	1.5 – 3.0
Specific Gravity @ 25 °C	1.2