



Tower Oil & Technology Co.

Saf-T-Cool 440

Saf-T-Cool 440 is a low oil, semi-synthetic, bio-stable coolant/lubricant formulated for recirculating systems. It utilizes state of the art ingredients to provide long sump life without the use of biocides or tank side additives. **Saf-T-Cool 440** produces an extremely stable micro-emulsion in all types of water while rejecting tramp oil for proper removal. It has low foam characteristics making it very acceptable for use in high pressure systems, along with low mist characteristics creating a safe working environment. **Saf-T-Cool 440** uses advanced generation additive technology for superior surface finishes and tool life. It leaves a very light oily film on the tooling and machine surfaces. **Saf-T-Cool 440** features low carry-off on chips and parts reducing the overall coolant usage. **SF WAY LUBES** are recommended as the machine lubricant to help maintain proper system health.

USAGE

Saf-T-Cool 440 is a micro-emulsion for machining, grinding, roll forming, tube mills, and metal forming operations. It is safe to use on all types of metal. Starting dilutions for machining operations should be at a Refractive Index (RI) between 2.3 – 3.5. For grinding operations, the suggested starting dilutions should be between RI 1.8 – 2.4. **Saf-T-Cool 440** is normally used for roll forming and tube mills at a RI of 2.3 – 3.5. Make-up fluid is typically added at half the target concentration. For proper mixing it is recommended that **Saf-T-Cool 440** concentrate be added to water with agitation.

BENEFITS

- **Excellent Operator Acceptance**
- **Prolonged Sump Life Without Foul Odors or Biocides**
- **Good Hard Water Emulsion Stability**
- **Provides Excellent Surface Finish & Tool Life**
- **Low Misting & Low Foam Characteristics**
- **Multi-Metal Safe**
- **Excellent In-Process Rust & Corrosion Protection**
- **Machines Run Clean Without Sticky Deposits or Residues**
- **Non Hazardous Formula**

TECHNICAL SUPPORT

TOWER wants to assist you in evaluation and selection of suitable products. We urge you to take advantage of this service. This information sheet and TOWER's assistance, however, are not a substitute for your own testing and evaluation. 14237