



# Saf-T-Cool 463

**Saf-T-Cool 463** is a high-performance universal bio-stable coolant. It utilizes state of the art ingredients to provide long sump life without the use of tank side additives. Foul odors and the typical “Monday Morning” (rotten egg) odors are eliminated. **Saf-T-Cool 463** has extraordinary hard water emulsion stability and rejects tramp oil for proper removal. Its low foam and misting characteristics make it acceptable for use in high pressure systems. **Saf-T-Cool 463** uses advanced generation additive technology to achieve superior surface finishes and tool life without the use of chlorine or sulfur. It constantly rinses the machine as it runs eliminating any sticky residues and leaving a very light oily film on the machine surfaces. **SF WAY LUBES** are recommended as the machine lubricant to help maintain proper system health.

## USAGE

**Saf-T-Cool 463** forms a premium quality micro-emulsion for machining and grinding all types of metals. Starting dilutions for machining operations should be between 5 – 10%. For grinding operations, the suggested starting dilutions should be between 4 – 6%. Make-up fluid is typically added at half the target concentration. For proper mixing it is recommended that **Saf-T-Cool 463** concentrate be added to water with agitation.

## PHYSICAL CHARACTERISTICS

Density	0.97 g/ml    8.07 lb/gal
Appearance	Amber Fluid
Odor	Mild
pH @ 5%	Typically 9.5
Refractive Index Factor	1.2 x Refractive Index = Volume %

## BENEFITS

- Outstanding Emulsion Stability in Hard & Soft waters.
- No Hazardous Pictograms on Label and SDS
- Machines Run Clean Without Sticky Deposits or Residues
- Prolonged Sump Life Without Foul Odors
- Increases Tool Life
- Excellent Surface Finish Improves Part Quality
- Low Misting & Low Foam Characteristics
- Excellent In-Process Rust & Corrosion Protection
- Excellent Operator Acceptance

## TECHNICAL SUPPORT

This is a Proprietary product. 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.