



Saf-T-Cool 425

Saf-T-Cool 425 is a good-performance, medium oil, universal emulsion designed for machining and grinding operations on ferrous and non-ferrous alloys. This unique chemistry will provide good tool life and surface finish without the use of chlorine. The products unique chemistry eliminates typical “Monday morning” foul odor smells without the use of a biocides. **Saf-T-Cool 425** has a very tight emulsion that provides exceptional hard water stability, tramp oil rejection, and long fluid life. It is low foaming making it compatible with high pressure coolant systems. **Saf-T-Cool 425** provides good corrosion protection for ferrous and non-ferrous metals and machine tools. It constantly rinses the machine as it runs eliminating any sticky residues and leaving a very light oily film on the clean machine surfaces.

USAGE

Starting dilutions for machining operations should be between 7 – 12% and grinding 5 – 7%. Make-up fluid is typically added at half the target concentration. For proper mixing it is recommended that **Saf-T-Cool 425** concentrate be added to water with agitation. Parts made with **Saf-T-Cool 425** can be easily cleaned in an aqueous wash using an alkaline cleaner such as **TOWERKLENE 60-S**. For ultimate performance, consider using Saf-T-Cool 420.

PHYSICAL CHARACTERISTICS

Appearance	Amber Liquid
Odor	Bland
Density	0.99 g/ml 8.3 lbs/gal
pH @ 5%	Typically 9.2
Refractive Index Factor	1.67 x Refractive Index = Volume %

BENEFITS

- **Non-Hazardous, No Pictograms or Hazard Warnings**
- **Low Chance of Skin Irritation Promotes Operator Acceptance**
- **Tight Emulsion Reduces Carry-Off and Lowers Usage**
- **Prolonged Sump Life Without Foul Odors**
- **Good Surface Finish and Tool Life**
- **Low Misting & Low Foam Characteristics**
- **Good In-Process Rust & Corrosion Protection**
- **Machines Run Clean Without Sticky Deposits or Residues**

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.