

TOWERKEM 550

TOWERKEM 550 is a synthetic coolant designed for machining and grinding operations on a variety of metals. Since **TOWERKEM 550** is formulated without mineral oil or animal fats, it rejects tramp oil efficiently. **TOWERKEM 550** is easily recyclable in conventional fluid recovery systems. It is designed to provide low foaming characteristics in high pressure coolant systems. This coolant also provides excellent rust protection on cast iron metal, and is compatible with carbide tooling.

USAGE

TOWERKEM 550 is effective for numerous operations, including boring, drilling, milling, reaming, sawing, tapping, threading, and grinding of ferrous metals. Starting water dilutions for machining operations are 10:1 to 15:1. Grinding operations should begin at starting dilutions of 20:1 with water.

PHYSICAL CHARACTERISTICS

Density	1.05 g/ml	8.7 lbs/gal		
Appearance	Clear Yellow Liquid			
Odor	Bland			
pH (5% solution)	Typically 8½ to 9			
Refractive Index	7.8 @ 5:1	4.5 @ 10:1	3.2 @ 15:1	
(freshly diluted)	2.5 @ 20:1	2.0 @ 25:1	1.8 @ 30:1	

BENEFITS

- **Does NOT Contain Mineral Oil, Chlorine, Sulfur, Phenols, Heavy Metals, DEA or PCB's**
- **Forms a Stable Solution Without Leaving Tacky Residues**
- **Rejects Tramp Oil Efficiently**
- **Provides Excellent In-Process Rust Protection**
- **Has Excellent Resistance to Growth of Bacteria & Fungi**
- **Does NOT Foam in Soft Water**
- **Has Excellent Heat Transfer Properties For Part Size Control & Extended Tool Life**
- **Has Outstanding Machine Operator Acceptance**

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. 03274/002