



TOWERKEM W-3222

TOWERKEM W-3222 is a chemical solution, which contains no mineral oil. It is formulated to be operator friendly, and is free from hazardous ingredients as defined by OSHA and is SARA-free, according to EPA rules. It can be used for a variety of operations including roll forming, metal removal, grinding and tube mill operations. **TOWERKEM W-3222** is an ideal all round lubricant for shops employing a wide range of operations. **TOWERKEM W-3223**, an undyed version of this product, is also available.

USAGE

TOWERKEM W-3222 is typically used at dilutions of 10:1 to 20:1 with water. Make up is typically added at 50% of the target dilution.

PHYSICAL CHARACTERISTICS

Density	1.05 g/ml	8.77 lbs/gal				
Appearance	Blue Green Liquid					
Odor	Mild					
pH	Typically 8.7 – 9.2 (concentrate) 8.5 – 8.9 (@ 20:1 dilution)					
Refractive Index (freshly diluted)	4.6 @ 5:1	3.3 @ 7½ :1	2.5 @ 10:1	1.8 @ 15:1	1.4 @ 20:1	1.1 @ 25:1

BENEFITS

- **Contains No Hazardous Ingredients**
- **Does Not Contain Chlorine or Sulfur**
- **Contains No Fats Oils or Greases**
- **Provides Excellent Cooling Characteristics**
- **Has Excellent In-Process Rust Protection for Inside Storage**
- **Delivers Excellent Sump Life**
- **Can Be Welded Through Without Cleaning**
- **Rejects Tramp Oils**
- **Mixes Easily and Is Stable in Water of Varying Degrees of Hardness**
- **Is Environmentally Friendly**

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

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