



TOWERCOOL 455-G

TOWERCOOL 455-G is a semi-synthetic coolant designed for use in metalworking of cast iron, ferrous and non-ferrous metals. **TOWERCOOL 455-G** is recommended for a wide range of machining and grinding operations. Because **TOWERCOOL 455-G** contains some mineral oil, it provides the benefits of oil while offering the advantages of a pure chemical solution.

USAGE

TOWERCOOL 455-G is designed for use in cutting and grinding operations. It is generally compatible with a broad range of water hardness and will form a stable microemulsion with minimal mixing. For best results, premix **TOWERCOOL 455-G** by adding concentrate to water with agitation.

Starting water dilutions for machining operations are 10:1 to 20:1. For grinding operations, the suggested starting dilutions are 15:1 to 20:1.

PHYSICAL CHARACTERISTICS

Density	1.00 g/ml	8.31 lbs/gal
Appearance	Green Liquid	
Odor	Bland	
PH (concentrate)	Typically 9.5	
Refractive Index	7.4 @ 5:1	4.1 @ 10:1 2.8 @ 15:1
(freshly diluted)	2.0 @ 20:1	1.7 @ 25:1

BENEFITS

- **Is designed to be Recyclable**
- **Does NOT contain DEA, Chlorine, Sulfur, Nitrites, Phenols or PCB's**
- **Provides Excellent Sump Life Against Microbial Attack & Foul Odors**
- **Provides Excellent Cooling & Lubricity for Tool & Workpiece**
- **Has Excellent Rust Protection for Machine & Parts**
- **Cleans Easily in Low Temperature Water Based Cleaning Operations**
- **Does NOT Form Sticky Deposits on Equipment**

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. 02135