



### APPLICATION

CIMPULSE 45MP is an oil containing, multi-purpose, light to moderate-duty fluid for machining and grinding. It offers high performance without the use of traditional extreme pressure lubricants and is recommended for turning, drilling, milling, reaming, boring, tapping, and grinding of most metals. Not recommended for magnesium alloys.

### FEATURES & BENEFITS

- For all metals and all operations
- For use in a wide range of water qualities
- Excellent foam control and sump life
- Chlorine-free
- Does not contain DCHA
- Product leaves a light residue

### RECOMMENDED STARTING DILUTIONS:

CIMPULSE 45MP is to be mixed with water for use. Always add concentrate to water. Fluid may be more difficult to mix when water temperature is cold. Add no materials to the concentrate or mix unless approved by CIMCOOL<sup>®</sup>.

Machining and Grinding:      5% to 15%      (1:19 to 1:6)

### CONCENTRATION:

The Refractometer Factor is 2.2

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid	Appearance and Odour: Cloudy/Chemical
Solubility in water: 100% miscible	Weight, lb./gal, 60°F (15.6°C): 8.5
Viscosity (SUS) @ 100°F (37.8°C): 200	Flash Point: SEE MSDS
pH Concentrate: 9.6	pH Mix 5%, Typical: 8.8
Sulfur, wt%: <0.3	Chlorine/Chloride, wt%: 0.0/<50ppm
Siloxanes: No	

### HANDLING and STORAGE:

If frozen, thaw completely at room temperature. Inside storage is recommended.

### SAFETY DATA SHEET:

Available at [www.cimcool.ca](http://www.cimcool.ca)

For additional information refer to its WHMIS MSDS or SDS, website or contact CIMCOOL<sup>®</sup> Technical Services at 1-513-458-8199 in Ohio or 1-888-254-1919 in Canada.

*Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.*