

VULSOL B 7705 S



Metalworking



TOTAL

Heavy-Duty, Micro-emulsion for Various Metals

DESCRIPTION

- **VULSOL B 7705** is an ester based concentrate that, when mixed with water, forms a superior metalworking coolant. This product contains phosphate ester, an extreme pressure additive, and is primarily recommended for machining and grinding high alloy and exotic steels where extreme pressure protection is needed but without the use of sulfur or chlorine. It is also perfectly acceptable for use on aluminum and brass.
- **VULSOL B 7705** represents a technology breakthrough in the development of bio-based synthetic ester coolants.
- **VULSOL B 7705** contains no petroleum oil.
- The concentration range is 6 to 12% and should be adjusted as necessary to maximize performance.

ADVANTAGES

- Easily forms a translucent, micro-emulsion in all types of water
- Designed for medium to heavy-duty metal removal operations
- Provides long coolant sump life without unpleasant odor
- Bio-stable – will achieve long sump life
- Contains no chlorine or sulfur
- Allows for cleaner machines and environment
- Formulation provides for rapid cooling of work piece and tool
- Very low foaming tendency
- Rapid tramp oil rejection

TYPICAL CHARACTERISTICS	VULSOL B 7705
Appearance	Clear Amber Liquid
Odor	Mild
Specific gravity @ 15.6 / 15.6 (conc.)	1.028
Density @ 60°F, lbs/gal	8.57
Chlorine and sulfur content	Nil
Phosphorus	Yes
pH @ 5 %	9.34
Cast iron chip rust break point, %	3
Refractive Index Factor	1.65

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