

VULSOL B 2505 S



METALWORKING



TOTAL

Moderate-Duty, Synthetic, Micro-Emulsion for Ferrous Metals.

APPLICATIONS

- **VULSOL B 2505 S** represents the most up-to-date technology in the development of a truly synthetic metalworking fluid. Formulated with specially selected components, it has the outstanding feature of being non-irritating operators. This has been done without bactericides, fungicides, secondary amines, or amines of questionable safety.
- **VULSOL B 2505 S** is recommended for the general machining and grinding of ferrous metals and ferrous alloys, aluminum, and glass grinding applications. It contains a strong rust inhibitor package, anti-weld agents, lubricity additives, and extreme pressure additives that provide outstanding boundary lubrication during the machining process.

ADVANTAGES

- Resistant to microbiological growth.
- Increases tool life, prevents ridging, promotes good surface finish.
- Excellent lubricity properties--Increases the tool life on a large scale of cutting parameters maintaining an additive layer on the chip / workpiece / tool surface.
- Contains no sulfur, chlorine, nitrites, phenols, or heavy metals.
- Protects workpiece and tools against corrosion.
- Long sump life.
- Low foaming fluid.
- Permits operator surveillance of the workpiece at all times.
- Light viscosity means good flushing ability.

| TYPICAL CHARACTERISTICS | VULSOL B 2505 S |
|------------------------------|-------------------|
| | |
| Appearance | Clear Blue Liquid |
| Specific Gravity @ 60°F/60°F | 1.05 |
| Density @ 60°F, lbs./gal. | 8.74 |
| Flash Point, COC, °F | None |
| Chlorine, %wt. | None |
| Sulfur, %wt. | None |
| pH @ 10% | 9.6 |
| Refractive Index @ 5% | 1.3 |
| Refractive Index @ 10% | 2.7 |
| Refractive Index Factor | 3.75 |

Standard dilution of water to oil is 20:1. May be mixed satisfactorily from 6:1 to 25:1 depending on the type and severity of the operation. For grinding operations, 20 parts water to 1 part **VULSOL B 2505 S** is recommended. The concentration should be adjusted as necessary to maximize performance.

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