

VULSOL 7000



METALWORKING



Moderate-Duty, Synthetic Metalworking Fluid for Ferrous Metals

APPLICATIONS

- **VULSOL 7000** represents the most up-to-date technology in the development of synthetic metalworking fluids. Formulated with specially selected components, it produces a clear solution in all types of makeup water and contains no nitrites, phenols, or heavy metals.
- **VULSOL 7000** is recommended for the moderate machining and grinding of ferrous metals. It will also perform well in cutting and grinding aluminum. 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.
- Excellent extreme pressure protection.
- 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 / work piece / tool surface.
- Contains no sulfur, chlorine, nitrites, phenols, or heavy metals.
- Protects work piece and tools against corrosion.
- Long sump life.
- Low foaming fluid.
- Non-staining.
- Permits operator surveillance of the workpiece at all times.
- Light viscosity means good flushing ability.

TYPICAL CHARACTERISTICS	VULSOL 7000
Appearance	Clear to slightly hazy liquid
Specific Gravity @ 60°F/60°F	1.008
Density @ 60°F, lbs./gal.	8.397
Flash Point, COC, °F	None
Chlorine, %wt.	None
Sulfur, %wt.	None
pH @ 5%	8.6
Refractive Index @ 5%	2.2
Refractive Index @ 10%	4.3
Refractive Index Factor	2.3

Standard dilution of water to concentrate is 20:1. May be mixed satisfactorily from 10:1 to 25:1 depending on the type and severity of the operation. For grinding operations, 25 to 30 parts water to 1 part **VULSOL 7000** is recommended. The concentration should be adjusted as necessary to maximize performance.

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VULSOL

12-2017

This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at www.totalspecialties.com. Copyright 2016 All rights reserved.