

# VULSOL 1001 BS



METALWORKING



**TOTAL**

General-Duty, Synthetic Metalworking Fluid for Ferrous and Non-Ferrous Metals.

## APPLICATIONS

- **VULSOL 1001 BS** is a fully synthetic, metalworking fluid. Formulated with specially selected, high quality components, it produces a clear, blue solution in all types of makeup water and contains no nitrites, phenols, or heavy metals. It also contains a strong rust inhibitor package and can be used on both ferrous and non-ferrous metals.
- **VULSOL 1001 BS** has been designed for grinding and light to moderate duty machining operations. It has excellent cooling and lubricating properties to maximize tool life in these type operations. This product is formulated to encourage coagulation of fine metal swarf so that it drops to the bottom of the sump or can be more easily filtered out of the solution.
- **VULSOL 1001 BS** is a low foaming fluid and can be used in high speed machining operations as well as in notoriously high foaming grinding operations.

## ADVANTAGES

- Resistance 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.
- Chlorine free.
- Protects workpiece and tools against corrosion.
- Long sump life.
- Permits operator surveillance of the workpiece at all times.
- Light viscosity means good flushing ability.

TYPICAL CHARACTERISTICS	VULSOL 1001 BS
Appearance	Clear Blue Liquid
Density @ 60°F, lbs./gal.	8.78
Specific Gravity @ 60°F/60°F	1.05
Flash Point, COC, °F	None
Chlorine, %wt.	None
pH @ 1:9 (10% Concentration)	9.6

Standard dilution of water to oil is 20:1. May be mixed satisfactorily from 9:1 to 25:1 depending on the type and severity of the operation. For grinding operations, 20 to 25 parts water to 1 part **VULSOL 1001 BS** is recommended. The concentration should be adjusted as necessary to maximize performance. If performance needs require a more concentrated solution than 10%, a more highly fortified product may be more appropriate for your application.

TOTAL Lubricants USA, Inc.

Linden, NJ 07036  
5 North Stiles Street  
908.862.9300/800.526.4127

Rockingham, NC 28379  
709 Airport Road  
800.323.3198 / 800.526.4127

Knoxville, TN 37914  
3315 Riverside Drive  
800.323.3198 / 800.526.4127

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