



# Product Information Flyer

### DESCRIPTION

CIMPERIAL 1017 is a premium soluble oil metalworking fluid.

### APPLICATION

CIMPERIAL 1017 was developed for use in moderate to heavy-duty operations. It can be used on carbon steels, high speed steel, cast steels, alloy steels, tool steel, stainless steel, titanium, cast iron, and most non-ferrous alloys. Not recommended for use on magnesium alloys.

### FEATURES & BENEFITS

#### VERSATILE PRODUCT:

CIMPERIAL 1017 contains a sulfurized and chlorinated Extreme Pressure (EP) lubricant package to perform on a variety of machining and grinding applications.

#### WIDE APPLICATION RANGE:

CIMPERIAL 1017 can be used on a wide variety of metals and operations.

#### STABILITY:

CIMPERIAL 1017 makes a very stable mix and can be used in applications where hard water build-up is a problem.

#### LOW FOAMING:

CIMPERIAL 1017 can be used in high-pressure applications where foam control is required.

#### MICROBIAL CONTROL:

CIMPERIAL 1017 contains a microbial control package that extends fluid life for long-lasting, trouble-free performance.

### RECOMMENDED STARTING DILUTIONS:

CIMPERIAL 1017 is to be mixed with water for use. Always add concentrate to water. Fluid may be more difficult to mix when water temperature is below 55°F. Add no other materials to the concentrate or mix unless approved by your CIMCOOL® District Manager.

Grinding	5% - 10%	(1:20 to 1:10)
Machining	5% - 10%	(1:20 to 1:10)

### CONCENTRATION

Non-solvent Titration, Total Alkalinity or Refractometer can be used.

The Refractometer Factor is 0.9

A refractometer is only recommended for use in checking the concentration of a fresh charge. Multiply the scale reading obtained on your CIMCOOL® Refractometer by this factor to obtain the mix concentration in percent. Calibrate the refractometer so that it reads 0.0 with water before testing the sample mix. Remove gross contaminants from the sample mixes before testing.

### TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

**Physical State:** Liquid

**Solubility in water:** 100% miscible

**Viscosity (SUS) @ 100°F:** 950

**pH Concentrate:** NA

**Total Chlorine/Chloride, wt%:** 7.3/<50ppm

**Silicones:** Yes

**Appearance and Odor:** Hazy/Chemical

**Weight, lb/gal, 60°F (15.6 °C):** 8.4

**Flash Point /Sp.Gr./Boiling Point:** SEE MSDS

**pH Mix 5%, Typical Operating:** 8.7

**Total Sulfur, wt%:** 1.2

### HANDLING AND STORAGE

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

This product is to be used within five months of its manufacture date indicated by the lot number on the container label.

### SAFETY DATA SHEET

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

For additional information refer to its OSHA MSDS, website or contact your local CIMCOOL TECHNICAL SPECIALIST OR DISTRICT MANAGER, or you may contact CIMCOOL® Technical Services at 1-513-458-8199.

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