



## Product Information Flyer

### **DESCRIPTION**

CIMPERIAL 1060CF is a soluble oil recommended for moderate to heavy duty machining and grinding operations.

### **APPLICATION**

CIMPERIAL 1060CF can be used on mild steels, stainless steels, hardened steels, exotics and most aluminum alloys. It should not be used on magnesium alloys.

### **FEATURES & BENEFITS**

CIMPERIAL 1060CF is an option where chlorine is restricted but high performance is needed.

### **EXCELLENT LUBRICITY:**

#### **GRINDING:**

CIMPERIAL 1060CF has excellent grinding ability where part quality and finish are critical.

#### **MACHINING:**

CIMPERIAL 1060CF will perform well in most machining applications, including drilling, reaming, sawing, and form tapping.

#### **MICROBIAL CONTROL:**

CIMPERIAL 1060CF has good microbial protection.

#### **CORROSION CONTROL:**

Excellent rust protection; CIMPERIAL 1060CF is formulated to keep machine tools and parts from rusting.

#### **VERSATILE:**

CIMPERIAL 1060CF is a product that can be used in virtually any operation on a variety of metals.

#### **FOAM CONTROL:**

Foam control is good. CIMPERIAL 1060CFB is available for additional foam control.

### RECOMMENDED STARTING DILUTIONS

CIMPERIAL 1060CF is to be mixed with water for use. Always add concentrate to water. 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

MI Titration, Non-solvent Titration, Total Alkalinity, CIMCHEK™ Test Strip or Refractometer can be used.

The Refractometer Factor is 1.0

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:** 450

**pH Concentrate:** NA

**Total Chlorine/Chloride, wt%:** 0.0/<50ppm

**Silicones:** NO for CIMPERIAL 1060CF / YES for CIMPERIAL 1060CFB

**Appearance and Odor:** Hazy/Chemical

**Weight, lb/gal, 60°F (15.6 °C):** 7.8

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

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

**Total Sulfur, wt%:** 0.2

### HANDLING and STORAGE

If frozen, thaw completely at room temperature.

Inside storage is recommended.

### 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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