



Product Information Flyer

DESCRIPTION

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

APPLICATION

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

EXCELLENT LUBRICITY:

GRINDING: CIMPERIAL 1060CFZ has excellent grinding ability where part quality and finish are critical.

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

MICROBIAL CONTROL: CIMPERIAL 1060CFZ is a second generation version of CIMPERIAL 1060CF with improved biological protection.

CORROSION CONTROL: Excellent rust protection.

VERSATILE: CIMPERIAL 1060CFZ can be used in virtually any operation on a variety of metals even in the manufacture of medical parts.

FOAM CONTROL: Foam control is good. CIMPERIAL 1060CFZB is available for additional foam control.

RECOMMENDED STARTING DILUTIONS

CIMPERIAL 1060CFZ 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 or Refractometer can be used.

The Refractometer Factor is 0.9

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: 275

pH Concentrate: NA

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

Silicones: NO for CIMPERIAL 1060CFZ / YES for CIMPERIAL 1060CFZB

Appearance and Odor: Hazy/Chemical

Weight, lb/gal, 60°F (15.6 °C): 7.7

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

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.

Limitation of Liability: Under no circumstances, shall we or any affiliate of ours have any liability whatsoever for loss of use, or for any indirect or consequential damages. Minor formulation changes or normal variations in the manufacture of this product may cause slight variances in the data presented on this sheet.