



Product Information Flyer

DESCRIPTION

CIMPERIAL 16 is a soluble oil recommended for machining and grinding operations.

APPLICATION

CIMPERIAL 16 can be used in moderate to heavy duty applications where the use of chlorinated extreme pressure additives are prohibited. It can be used on mild steels, stainless steels, hardened steels, high speed steels, tool steels, cast iron, exotics and most aluminum alloys. It should not be used on magnesium alloys.

FEATURES & BENEFITS

VERSATILE:

CIMPERIAL 16 is a product that can be used in virtually any operation on a variety of metals.

MICROBIAL CONTROL:

Good microbial control.

CORROSION CONTROL:

Excellent rust protection. The oily residue keeps machine tools and parts from rusting.

LOW FOAMING:

Can be used in high turnover applications where foam control is required.

WASTE TREATABLE:

Compatible with most conventional waste treatment methods.

RECOMMENDED STARTING DILUTIONS

CIMPERIAL 16 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 (13°C). Add no other materials to the concentrate or mix unless approved by your CIMCOOL® Territory 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 0.8

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. A refractometer is only recommended for use in checking the concentration of a fresh charge.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Solubility in water: 100% miscible

Viscosity (SUS) @ 100°F (38°C): 500

pH Concentrate: NA

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

Silicones: No

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: 8.6

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.ca

For additional information refer to its WHMIS MSDS, website or contact CIMCOOL® Technical Services at 1-513-458-8199 in Ohio or 1-888-254-1919 in Canada.

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