



Product Information Flyer

DESCRIPTION

CIMPERIAL 16 is a premium 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 carbon steels, high speed steels, cast steels, alloy steels, tool steel, stainless steel, titanium, cast iron, and most non-ferrous 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:

CIMPERIAL 16 contains a microbial control package which extends fluid life for long lasting, trouble-free performance.

CORROSION CONTROL:

CIMPERIAL 16 provides excellent rust protection. The oily residue keeps machine tools and parts from rusting.

LOW FOAMING:

CIMPERIAL 16 can be used in high turnover, high pressure applications where foam control is required.

WASTE TREATABLE:

CIMPERIAL 16 is 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. 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, CIMCHEK™ Test Strip 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. 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: 436

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: 8.8

Total Sulfur, wt%: 0.4

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.