



Product Information Flyer

DESCRIPTION

CIMPERIAL 16EP is a premium soluble oil metalworking fluid.

APPLICATION

CIMPERIAL 16EP was developed for use on carbon steels, high speed steels, cast steels, alloy steels, tool steel, stainless steel, titanium, cast iron, titanium, and most non-ferrous alloys. It should not be used on magnesium alloys.

FEATURES & BENEFITS

VERSATILE:

CIMPERIAL 16EP contains a chlorinated extreme pressure lubrication package to perform on a wide variety machining and grinding applications.

MICROBIAL CONTROL:

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

LOW FOAMING:

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

WASTE TREATABLE:

CIMPERIAL 16EP is compatible with most conventional waste treatment methods.

WIDE APPLICATION RANGE:

CIMPERIAL 16EP can be used on a wide variety of metals and operations.

RECOMMENDED STARTING DILUTIONS

CIMPERIAL 16EP 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

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: 1312

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: 8.8

Total Sulfur, wt%: 0.10

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.

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