



Product Information Flyer

DESCRIPTION

CIMPERIAL 1072D is a soluble oil recommended for machining and grinding operations with poor water quality.

APPLICATION

CIMPERIAL 1072D can be used on mild steels, stainless steels, hardened steels, exotics and most aluminum alloys, including MIC[®] 6. It should not be used on magnesium alloys.

For heavy to severe duty machining and grinding operations.

FEATURES & BENEFITS

STABILITY:

CIMPERIAL 1072D has good mix stability in high hardness, high sulfate, and high chloride water conditions.

EXCELLENT LUBRICITY:

The extreme pressure lubricants provides excellent lubricity which extends tool and wheel life while providing superior part quality.

VERSATILE:

CIMPERIAL 1072D is a product that can be used in virtually any operation on a variety of metals.

FOAM:

Good foam control.

RECOMMENDED STARTING DILUTIONS

CIMPERIAL 1072D 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

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

The Refractometer Factor is 1.0. A refractometer is only recommended for use in checking the concentration of a fresh charge. 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: 1450

pH Concentrate: NA

Total Chlorine/Chloride, wt%: 5.2/<50ppm

Silicones: Yes

Appearance and Odor: Hazy/Chemical

Weight, lb/gal, 60°F (15.6 °C): 8.3

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

pH Mix 5%, Typical Operating: 8.9

Total Sulfur, wt%: 0

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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