



Product Information Flyer

DESCRIPTION

CIMSTAR 70-HFP is a new generation, chlorine free semi-synthetic metalworking fluid.

APPLICATION

CIMSTAR 70-HFP is recommended for general purpose machining of ferrous and most non-ferrous applications. It can be used for multiple applications such as turning, drilling, reaming, boring, milling and tapping as well as some grinding operations.

FEATURES & BENEFITS

CLEANLINESS:

CIMSTAR 70-HFP has unique residue characteristics, keeping machine tools extremely clean. The detergency of the product keeps chips from building up on the machine tool.

FOAM CONTROL:

CIMSTAR 70-HFP exhibits adequate foam control in high pressure applications.

CORROSION CONTROL:

The product also has excellent corrosion control for steel, cast iron and most aluminum alloys.

RECOMMENDED STARTING DILUTIONS

CIMSTAR 70-HFP 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 55F. 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 1.4. 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: 270

pH Concentrate: 9.4

Total Chlorine/Chloride, wt%: 0/<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: 9.0

Total Sulfur, wt%: 0.2

HANDLING and STORAGE

If frozen thaw completely at room temperature before use. 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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