

**CIMSTAR[®] 10-570-HFP with FACT
METALWORKING FLUID for HIGH PRESSURE
APPLICATIONS**



Product Information Flyer

DESCRIPTION

CIMSTAR-10-570-HFP is a chlorine-free, semi-synthetic metalworking fluid recommended for use in moderate to heavy duty machining and grinding applications, such as milling, drilling, cut tapping, and surface grinding.

APPLICATION

CIMSTAR-10-570-HFP was developed for use on ferrous and most non-ferrous materials. It can be used on mild steels, stainless steels, hardened steels, exotic materials and most aluminum alloys. It should not be used on magnesium alloys.

FEATURES & BENEFITS

VERSATILE PRODUCT:

Good lubricity – physical and chemical lubricity additives provide good machining and grinding ability.

CORROSION PROTECTION:

The oily residue keeps machine tools and work-piece materials free of corrosion and staining.

RECOMMENDED STARTING DILUTIONS:

CIMSTAR-10-570-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 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 1.4

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 on a fresh charge.

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES:

Physical State: Liquid

Solubility in water: 100% miscible

Viscosity (SUS) @ 100°F (38°C): 400

pH Concentrate: 9.3

Total Chlorine/Chloride, wt%: 0.0/< 300 ppm

Silicones: Yes

Appearance and Odor: Hazy/Chemical

Weight, lb/gal, 60°F (15.6 °C): 8.4

Flash Point /Sp.Gr./Boiling Point: see SDS

pH Mix 5%, Typical Operating: 8.7

Total Sulfur, wt%: 0.3

HANDLING and STORAGE

If frozen, product separates. Thaw completely at room temperature and stir thoroughly before use. Inside storage is recommended.

SAFETY DATA SHEET

Available at www.cimcool.ca

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

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