



Product Information Flyer

DESCRIPTION

CIMSTAR 10-700VLC is a chlorine-free VALUE-LINE semi-synthetic metalworking fluid recommended for light to moderate-duty.

The VALUE LINE of products offers cost effective alternatives while maintaining good overall performance characteristics.

APPLICATION

CIMSTAR 10-700VLC was developed for use on ferrous and most non-ferrous materials. It can be used on mild steels, stainless steels, hardened steels and most aluminum alloys. It should not be used on magnesium alloys.

FEATURES & BENEFITS

VERSATILE PRODUCT:

Good lubricity for grinding applications, such as milling, drilling, cut tapping, reaming, boring and surface grinding

CORROSION PROTECTION:

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

RECOMMENDED STARTING DILUTIONS

CIMSTAR 10-700VLC 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

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

The Refractometer Factor is 2.1

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): 475

pH Concentrate: 9.5

Total Chlorine/Chloride, wt%: 0/<50ppm

Silicones: No

Appearance and Odor: Hazy/Chemical

Weight, lb/gal, 60°F (15.6°C): 8.5

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

pH Mix 5%, Typical Operating: 8.7

Total Sulfur, wt%: 0.1

HANDLING and STORAGE

If frozen thaw completely at room temperature. Inside storage is recommended.

SAFETY DATA SHEET

Available at www.cimcool.ca

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

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.