



Product Information Flyer

DESCRIPTION

CIMSTAR 55C is a semi-synthetic metalworking fluid.

APPLICATION

CIMSTAR 55C 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.

For use in light to moderate duty machining and grinding applications, such as milling, drilling, cut tapping, reaming, boring and surface grinding.

FEATURES & BENEFITS

VERSATILE PRODUCT:

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

CORROSION PROTECTION:

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

MICROBIAL CONTROL:

CIMSTAR 55C has good rancidity control if product concentration is properly maintained.

RECOMMENDED STARTING DILUTIONS

CIMSTAR 55C 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® 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 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

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

Silicones: No

Appearance and Odor: Hazy/Chemical

Weight, lb/gal, 60°F (15.6 °C): 8.5

pH Concentrate: 9.5

pH Mix 5%, Typical Operating: 8.8

HANDLING and STORAGE

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

This product is to be used within six months of its manufacture date as indicated by the lot number on the container label.

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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