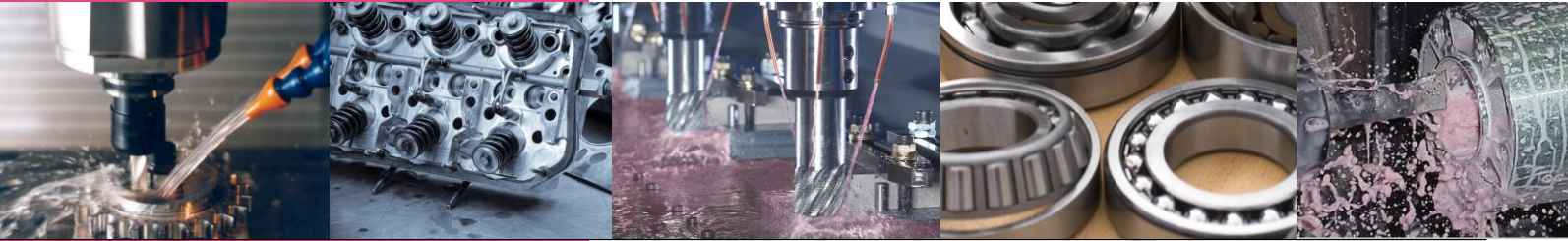


CimVantage[®] CSS-NR7

METALWORKING FLUID



Product Information Flyer

DESCRIPTION

CimVantage[®] CSS-NR7 is an economical semi-synthetic metalworking fluid.

APPLICATION

CimVantage[®] CSS-NR7 was developed for use on cast iron, nodular iron, carbon steels, high-speed steel, high alloy steels, stainless steels, and some aluminum. It is not recommended for use on magnesium alloys.

For moderate duty operations.

FEATURES & BENEFITS

LUBRICITY:

Contains an extreme pressure (EP) lubricant for superior machining and grinding capability.

VERSATILE:

Clean, completely water soluble, phenol-free semi-synthetic product. CimVantage CSS-NR7 has performance capabilities of soluble oils.

CORROSION PROTECTION:

Excellent corrosion control on both ferrous and most non-ferrous metals.

ENVIRONMENTALLY FRIENDLY:

Is waste treatable using standard fluid treatment procedures. It can also be recycled for reuse using appropriate metalworking fluid recycling equipment.

RECOMMENDED STARTING DILUTIONS

CimVantage® CSS-NR7 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	8% - 12%	(1:13 to 1:8)
Machining	8% - 12%	(1:13 to 1:8)

CONCENTRATION

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

The Refractometer Factor is 2.7

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: 100

pH Concentrate: 10.3

Total Chlorine/Chloride, wt%: 2.9/<50ppm

Silicones: No

Appearance and Odor: Clear/Chemical

Weight, lb/gal, 60°F (15.6 °C): 8.5

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

pH Mix 10%, Typical Operating: 9.0

Total Sulfur, wt%: 0.3

HANDLING and STORAGE

Protect from freezing. 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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