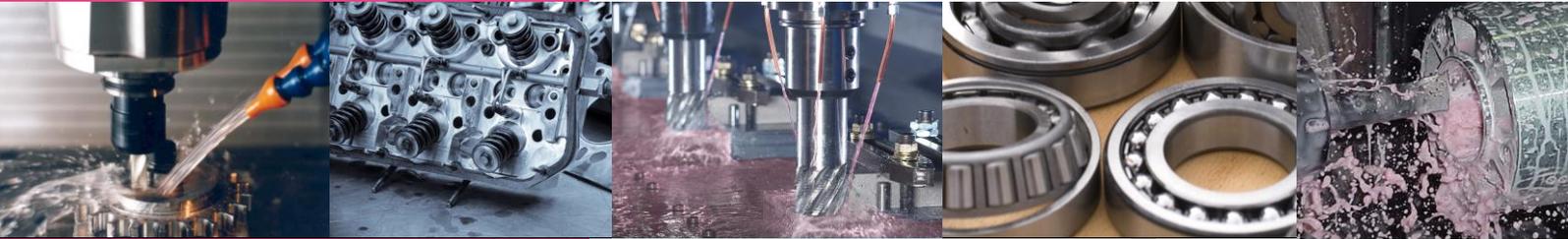


# CIMVANTAGE<sup>®</sup> CSS-NR3

**METALWORKING FLUID**

(formerly MILCOOL<sup>®</sup> GP)



## Product Information Flyer

### DESCRIPTION

Cimvantage CSS-NR3 is an economical cutting fluid for use in light duty machining and grinding applications.

### APPLICATION

Cimvantage CSS-NR3 was developed for use on ferrous and most non-ferrous materials, including some yellow metals. It should not be used on magnesium alloys.

### FEATURES & BENEFITS

- Good Cleanliness
- Low Oil Emulsification
- Good Foam Control
- Good Rancidity Control

Recommended Concentration: 10% (1:10) mix for maximum performance

### RECOMMENDED STARTING DILUTIONS

Cimvantage CSS-NR3 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	8% - 12%	(1:13 to 1:8)
Machining	8% - 12%	(1:13 to 1:8)

### CONCENTRATION

An MI Titration, Non-solvent Titration, Total Alkalinity or Refractometer can be used.

The Refractometer Factor is 3.4

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

<b>Physical State:</b> Liquid	<b>Appearance and Odor:</b> Hazy/Chemical
<b>Solubility in water:</b> 100% miscible	<b>Weight, lb/gal, 60°F (15.6 °C):</b> 8.4
<b>Viscosity (SUS) @ 100°F (38°C):</b> 85	<b>Flash Point /Sp.Gr./Boiling Point:</b> SEE SDS
<b>pH Concentrate:</b> 9.9	<b>pH Mix 5%, Typical Operating:</b> 8.8
<b>Total Sulfur, wt%:</b> 0.2	<b>Silicones:</b> No
<b>Total Chlorine/Chloride, wt%:</b> 0.0/<50ppm	

### HANDLING and STORAGE

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

### SAFETY DATA SHEET

Available at [www.cimcool.ca](http://www.cimcool.ca)

For additional information refer to its 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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