



# Product Information Flyer

### DESCRIPTION

CIMVANTAGE 395 is versatile semi synthetic “multi metal” metalworking fluid.

### APPLICATION

CIMVANTAGE 395 was designed for automotive applications. It can be used on aluminum and more specifically cast aluminum. Its versatility allows it to be also used on titanium, exotic alloys, cast iron, carbon steels, high speed steel, high alloy steels, stainless steel, and most yellow metals. It should not be used on magnesium alloys.

CIMVANTAGE 395 is for use in moderate to heavy-duty operations such as milling, drilling, tapping, reaming, boring and surface grinding.

### FEATURES & BENEFITS

#### LUBRICITY:

CIMVANTAGE 395 has excellent lubricity values that deliver extended tool life and surface finish and will maximize performance of high speed steel, carbide and diamond tooling applications.

#### FOAM CONTROL:

Product exhibits low foaming characteristics at high pressure.

#### CORROSION PROTECTION:

Specialized non-ferrous corrosion inhibitors eliminate part staining and prevent bi-metallic corrosion.

# CIMVANTAGE 395

## METALWORKING FLUID

### RECOMMENDED STARTING DILUTIONS:

CIMVANTAGE 395 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

Total Alkalinity, CIMCHEK™ Test Strip or Refractometer can be used.

The Refractometer Factor is **1.6**.

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:** 350

**pH Concentrate:** 9.0

**Total Chlorine/Chloride, wt%:** 0.0/<50ppm

**Silicones:** YES

**Appearance and Odor:** Clear/Chemical

**Weight, lb/gal, 60°F (15.6 °C):** 8.2

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

**pH Mix 5%, Typical Operating:** 8.6

**Total Sulfur, wt%:** 0.05

### HANDLING AND STORAGE

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

### SAFETY DATA SHEET

Available at [www.cimcool.com](http://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.

***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.***



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