



# Product Information Flyer

### DESCRIPTION

CIMSTAR 10-565VLC is a VALUE-LINE semi-synthetic metalworking fluid.

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

### APPLICATION

CIMSTAR 10-565VLC was developed for use on ferrous and most non-ferrous materials. It can be used on mild steels, stainless steels, hardened steels, exotic materials and most aluminum alloys. It should not be used on magnesium alloys.

### FEATURES & BENEFITS

#### VERSATILE PRODUCT:

For use in moderate to heavy duty machining and grinding applications, such as milling, drilling, cut tapping, reaming, boring and CBN, ID and Centerless grinding

Good lubricity and contains extreme pressure lubricant agents

#### CIMCOOL "VALUE-LINE":

Cost effectiveness with CIMCOOL performance

**RECOMMENDED STARTING DILUTIONS:**

CIMSTAR 10-565VLC 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, Total Alkalinity, CIMCHEK™ Test Strip or Refractometer can be used.

The Refractometer Factor is 1.5

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):** 850

**pH Concentrate:** 10.0

**Total Chlorine/Chloride, wt%:** 5.2/<50ppm

**Silicones:** No

**Appearance and Odor:** Clear/Chemical

**Weight, lb/gal, 60°F (15.6°C):** 8.7

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

**pH Mix 5%, Typical Operating:** 8.8

**Total Sulfur, wt%:** 0.2

**HANDLING and STORAGE**

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

**SAFETY DATA SHEET**

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

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