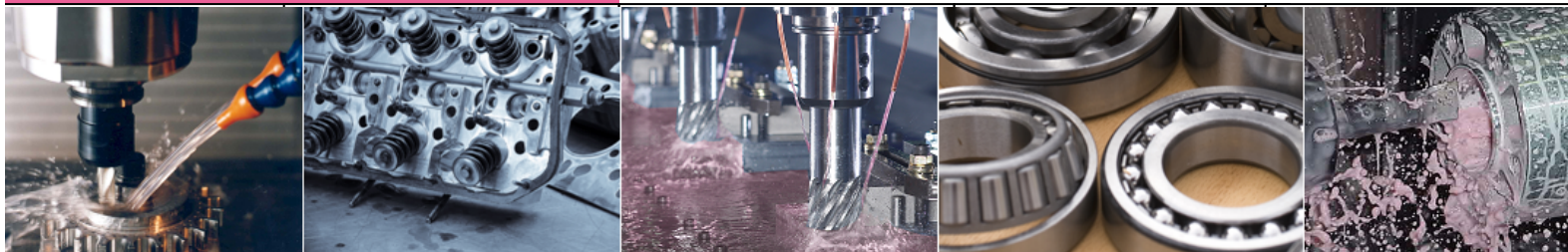


## **CIMSTAR**<sup>®</sup> 50-60K

**HIGH PERFORMANCE METALWORKING FLUID  
ADVANCED SEMI -SYNTHETIC**



# **Product Information Flyer**

### **DESCRIPTION**

CIMSTAR<sup>®</sup>50-60K is a premium heavy-duty Semi Synthetic metalworking fluid for machining and grinding of ferrous and most non-ferrous metals.

### **APPLICATION**

CIMSTAR<sup>®</sup>50-60K is recommended for turning, drilling, milling, reaming, boring, tapping, broaching, sawing and most grinding applications. It should not be used on magnesium alloys.

### **FEATURES & BENEFITS**

#### **VERSATILE:**

CIMSTAR<sup>®</sup>50-60K is ideally suited when one metalworking fluid, all metals, all operations is required throughout the shop.

#### **FOAM CONTROL:**

CIMSTAR<sup>®</sup>50-60K is recommended for use in a wide range of water qualities and has excellent foam control in soft water and high pressure applications.

#### **EXCELLENT RANCIDITY CONTROL:**

Excellent fluid life. Minimizes the need for additives.

#### **CORROSION PROTECTION:**

Outstanding rust protection for the work-piece and machine tool.

#### **COMPATIBLE MATERIALS:**

Steels, Stainless Steels, Alloy Steels most Aluminiums

**FULL WORKPIECE MATERIAL GROUP**

**HIGH PERFORMANCE METALWORKING FLUID**



**RECOMMENDED STARTING DILUTIONS**

CIMSTAR®50-60K 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 55F. 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**

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

The Refractometer Factor is 1.3

A refractometer is only recommended for use in checking the concentration of a fresh charge. 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.

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**

**Physical State:** Liquid

**Solubility in water:** 100% miscible

**Viscosity (SUS) @ 100°F:** N/A

**pH Concentrate:** 9.6

**Total Chlorine/Chloride, wt%:** None

**Silicones:** Yes

**Appearance and Odor:** Clear/Chemical

**Weight, lb/gal, 60°F (15.6 °C):** 8.4

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

**pH Mix 5%, Typical Operating:** 9.3

**Total Sulfur, wt%:** None

**Borons:** None

**HANDLING and STORAGE**

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

**SAFETY DATA SHEET**

Request at [www.cimcool.com.au](http://www.cimcool.com.au)

For additional information refer to its WHMIS MSDS, website or contact CIMCOOL® Technical Services at 1-513-458-8199 in Ohio or 1-800-050-469 in Australia.

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