



## *Product Information Flyer*

### **DESCRIPTION**

CIMSTAR 66EPB semi-synthetic metalworking fluid is recommended for grinding and machining operations of ferrous and most non-ferrous metals where hard water condition exists.

### **APPLICATION**

CIMSTAR 66EPB can be used on cast iron, nodular iron, carbon steels, high speed steels, high alloy steels, and most aluminum alloys. It should not be used on magnesium alloys.

Designed for moderate to heavy duty machining and grinding operations.

### **FEATURES & BENEFITS**

#### **HARD WATER TOLERANCE:**

CIMSTAR 66EPB was designed to be used in metalworking fluid systems with high water hardness, typically exceeding 400 ppm.

#### **VERSATILE:**

The CIMSTAR 66EPB is designed to provide good lubrication in a variety of operations on a variety of materials.

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

Superior fluid life - Minimizes the need for additives.

#### **FOAM:**

Provides extra foam protection in soft water.

### RECOMMENDED STARTING DILUTIONS

CIMSTAR 66EPB 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

BCG Titration, Total Alkalinity or Refractometer can be used.

The Refractometer Factor is 1.7. 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:** 2030

**pH Concentrate:** 9.4

**Total Chlorine/Chloride, wt%:** 3.7/< 50 ppm

**Silicones:** Yes

**Appearance and Odor:** Clear/Chemical

**Weight, lb/gal, 60°F (15.6 °C):** 8.35

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

**pH Mix 5%, Typical Operating:** 8.9

**Total Sulfur, wt%:** 0.31

### HANDLING and STORAGE

If frozen thaw completely at room temperature before use. 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.

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