

# MILFORM<sup>®</sup> 8050

## METALFORMING FLUID



# Product Information Flyer

### DESCRIPTION

MILFORM 8050 is a synthetic severe-duty metal forming fluid.

### APPLICATION

MILFORM 8050 is a synthetic fluid for severe-duty stamping, piercing, punching and drawing of ferrous and some non-ferrous metals.

### FEATURES & BENEFITS

#### VERSATILITY:

MILFORM 8050 provides excellent lubricity. It has excellent corrosion control and can significantly improve tool and die life. MILFORM 8050 has excellent weld through properties and good cleanliness. It has replaced straight oils and chlorinated products.

### RECOMMENDED STARTING DILUTIONS

The proper concentration of MILFORM 8050 will vary dependent upon the type of metal, gauge of metal, process involved and method of lubricant application. MILFORM 8050 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. Add no other materials to the concentrate or mix unless approved by your CIMCOOL® District Manager.

Roll Forming Applications: Typical Range is 5% (1:20) to 10% (1:10)  
Stamping & Drawing Applications: Typical Range is 5% (1:20) to 50% (1:2)

### CONCENTRATION

The Refractometer Factor is 1.1

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:**

**pH Concentrate:** 8.7

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

**Silicones:**

**Appearance and Odor:** Clear/Chemical

**Weight, lb/gal, 60°F (15.6 °C):** 8.8

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

**pH Mix 20%, Typical Operating:** 8.5

**Total Sulfur, wt%:** 9.49

### 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.

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