



Product Information Flyer

DESCRIPTION

MILFORM 6670 is a synthetic, water-dilutable metal forming fluid.

APPLICATION

MILFORM 6670 is formulated for moderate to heavy-duty applications. It can be used on stainless steels, carbon steels and most galvanized steels. It is also safe for use on most non-ferrous metals. It is not recommended for use with magnesium or alloyed magnesium.

MILFORM 6670 has a unique lubricant package designed to replace chlorinated lubricants.

FEATURES & BENEFITS

CORROSION CONTROL:

Multi-metal safe and will not stain most galvanized metals and non-ferrous metals.

VERSATILITY:

MILFORM 6670 does not contain chlorine, sulfur or phosphorus. It is a clean running product that provides excellent lubricity and is easily washed off. It has a very light residue and is also user friendly.

RECOMMENDED STARTING DILUTIONS

The proper concentration of MILFORM 6670 will vary dependent upon the type of metal, gauge of metal, process involved and method of lubricant application. MILFORM 6670 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 10% (1:10) to 40% (1:2.5)

CONCENTRATION

The Refractometer Factor is 2.1

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: 9.1

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

Silicones: None

Appearance and Odor: Clear/Chemical

Weight, lb/gal, 60°F (15.6 °C): 8.4

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

pH Mix 20%, Typical Operating: 9.2

Total Sulfur, wt%: 0.0

HANDLING AND STORAGE

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

SAFETY DATA SHEET

Available at 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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