

**METHYL ESTER 165**  
*Fully Formulated Synthetic Fluid*  
*Heavy Duty Machining*

**Methyl Ester 165** is a low viscosity fatty ester that offers superior metal wetting characteristics and boundary lubricity compared to conventional animal-based fatty additives.

**Methyl Ester 165** is recommended for use in precision operations such as drilling, tapping, form grinding, and Swiss-Type Automatics. The treat levels for these applications would be 5-15%, depending on the severity.

The low neutralization number provides excellent resistance to oxidative degradation due to the heat generated in the machining process. Also, lack of acidity allows the cutting fluid formulator to use this boundary lubricant in combination with overbased sulfonate technology chemistry, such as **Mayco Base CF-74** and **Mayco Base CF-95**. This chemical approach has shown very good success in the development of chlorine free oils for stainless steel applications.

**TYPICAL PROPERTIES**

Property	Result
Appearance	Clear, Light Yellow Liquid
Pour Point, °F (°C)	39 (3.9)
Specific gravity @ 60/60°F	0.87
Density, lb/gal	7.26
Viscosity @ 100°F (210°F), SUS	42 (32)
Flash Point, C.O.C. °F (°C)	375 (191)
Neutralization Number, meqKOH/g	<1

The information contained on this data sheet is believed to be reliable. Since the conditions of application and use of our products are beyond our control, no warranty is expressed or implied regarding accuracy of the information, the results obtained from the use of the product, or that such use will not infringe on any patent. This information is furnished with the express condition that you will conduct your own tests to determine the suitability of the product for your particular use. (120412)

LGP-11®, LUBE-BOOSTER®, MAYCO®, PAROIL®, SUL-PERM®, SYN-CHEK®, SYNKAD®, CHLOREZ®, CHLOROWAX 40®, CHLOROWAX 50®, DOVERNOX®, DOVERPHOS®, DOVERPHOS HIPURE®, and DOVERPHOS S-9228® are federally registered trademarks of Dover Chemical Corporation.