

EM 706 *Phosphate Ester*

EM 706 is phosphate ester that brings lubricity and anti-wear properties to metalworking fluids. **EM 706** may be formulated into straight oils and water extendable fluids. **EM 706** may help prevent the staining of nonferrous metals in some applications.

EM 706 may be formulated into straight oils, water dilutable soluble oils, and semi-synthetic coolants. Typical formulation guidelines for machining are indicated below:

	<u>% Treat</u>
Straight Oils (includes ferrous metals)	2-5
Soluble Oils (includes ferrous & nonferrous)	5
Semi-Synthetic (includes ferrous & nonferrous)	5

TYPICAL PROPERTIES

Property	Result
Flash Point, C.O.C., °F (°C)	>350 (>177)
Specific Gravity @ 77°F	1.01
Density lb/gal	8.3
pH Value, 1% in water	2.5
Viscosity, SUS @ 100°F (210°F)	1,550 (155)
Viscosity, cSt @ 40°C (100°C)	300 (28)
Acid Value, mgKOH/g	157
Pour Point, °F (°C)	50 (10)
Color (ASTM)	2
% Phosphorus	5.5

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. (111912)

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.