



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

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