



MAYPHOS 45
Phosphate Ester
Multi-Purpose E.P.
Additive

Mayphos 45 is an oil soluble phosphate ester. While it is water insoluble, incorporation into water dutiable products can be accomplished if partially neutralized with alkaline components, such as amines. Excellent performance, on especially nonferrous materials, has been achieved on such manner. Synergisms have been noted between **Mayphos 45** and PEG esters and/or cloud point possessing nonionic surfactants.

Mayphos 45 is highly recommended in flute grinding applications, as the commonly used diatomaceous earth filtration units do not strip the additive from the oil carrier, thus extending the overall life and performance of the cutting oil.

Mayphos 45 can be used in many applications such as:

	<u>% Weight</u>
Flute Grinding	2-4
Screw Machining	4-6
Cold Heading	5-10
Drawing and Stamping	10-25
AW Additive – General Machining	0.5 – 2.0

TYPICAL PROPERTIES

Property	Result
Specific gravity @ 60/60°F	1.07
Density, lb/gal	8.92
Viscosity @ 100°F (210°F) SUS	100,000 (1,850)
Viscosity @ 100°F (210°F) cSt	21,500 (400)
Appearance	Clear Light Amber Liquid
Neutralization Number (meqKOH/g)	200
Flash Point, C.O.C. °F (°C)	380 (193)
Phosphorus Content, %	5.5

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