

K-Ox™ 4EB

Ester Intermediate

GENERAL DESCRIPTION

K-Ox™ 4EB is a partial butyl ester of a petroleum derivative. It is a dark brown, soft, semi-solid compound. K-Ox™ 4EB is highly polar in nature making it an excellent wetting agent that provides lubricity to formulated products. K-Ox™ 4EB functions by being attracted to metal surfaces, thereby providing a multi-molecular film which lowers the coefficient of friction and, at the same time, affords mild rust protection.

TYPICAL PROPERTIES (NOT SPECIFICATIONS)

		4EB
Ester Type		Butyl
Total Acid Number, mgKOH/g	ASTM D974	12
Saponification Number, mgKOH/g	ASTM D94	100
Melting Point, °F (°C)	ASTM D127	100 (38)
Specific Gravity @ 15.6 °C	ASTM D1298	0.88
Density, Pounds per Gallon @ 15.6 °C	ASTM D1250	7.3

APPLICATIONS

Lubricity can be improved in a variety of formulations with additions of 0.5% to 2.0%. K-Ox™ 4EB will materially aid in cutting oil and gear oil performance, especially in the presence of extreme pressure additives (phosphorus, sulfur, and chlorine). When blended with metallic sulfonates, a variety of oil and solvent type, water displacing, corrosion preventive compounds may be produced.

AVAILABILITY

K-Ox™ 4EB is available in 55-Gallon Drums.

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