

## Focus Ester PA BX

### PRODUCT DESCRIPTION

**Focus Ester PA BX** is designed to boost performance and enhance finish in severe metalworking applications. It is oil-soluble and soluble in PAO base stocks. **Focus Ester PA BX** is a branched-chain fatty acid ester, which offers the highest level of thermal, hydrolytic, and oxidative properties. Also, it is expected to be less susceptible to bacterial attack than conventional fatty esters. **Focus Ester PA BX** can be used as a chlorine EP replacement or to significantly reduce the amount of chlorine needed.

### APPLICATIONS

**Focus Ester PA BX** is formulated into emulsion systems like soluble oils, semi-synthetic, drawing and stamping and other water-dilutable fluids that provide exceptional lubricity. Treatment levels of 1% to 15% into the concentrate are suggested. **Focus Ester PA BX** can be used in straight cutting oil and industrial lubricant oil applications in combination with or without low amounts of sulfur and phosphorus, depending upon the severity of the operation.

### BENEFITS

- Soluble in PAO base stocks
- Excellent thermal, oxidative and hydrolytic stability
- Ashless: will not cause staining
- Light in color with no odor
- High degree of saturation
- Replaces or reduces chlorine needed
- Offers dual purpose capability for cutting and hydraulics

### TYPICAL PROPERTIES

Feature	Unit	Standard Value
Specific gravity @ 25 °C	-	0.98
Viscosity @ 100 °C	cSt	330
Viscosity @ 40 °C	cSt	5400
Viscosity Index (VI)	-	205
Acid value	mg KOH/g	3
Moisture content	%	0.05

### PACKAGING

Packaging	Description	Net Weight
Drums	55 gallon non-returnable	435 lbs
Totes	275 gallon non-returnable	2,175 lbs

### HANDLING, SAFETY, HEALTH AND ENVIRONMENT

See safety data sheet

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