



Focus Ester PA 2500

Polymerized High Viscosity Branched-Chain Fatty Ester

Product Description

Focus Ester PA 2500 is a synthetic polymerized ester designed to boost performance and enhance finish in severe metalworking applications. It is a high molecular weight ester designed to offer the highest lubricity available and it has a molecular weight that gives it a perfect structure to replace chlorinated paraffins. **Focus Ester PA 2500** is a fully saturated branched-chain fatty acid, which offers the highest level of hydrolytic, oxidative and biostability properties. In addition to replacing chlorine, **Focus Ester PA 2500** can be used to replace or reduce treat levels of all other EP additives, like phosphorous, inactive sulfur, active sulfur, lard oil, blow oil and other fatty friction modifiers.

Applications

Focus Ester PA 2500 is formulated into emulsion systems like soluble oils, semi-synthetic, synthetic, drawing and stamping and other water-dilutable fluids to provide exceptional lubricity. Treatment levels of 1% to 15% into the concentrate are suggested. **Focus Ester PA 2500** can be used in straight cutting oil and industrial lubricant oil applications in combination with or without low amounts of active sulfur and phosphorus, depending upon the severity of the operation. **Focus Ester PA 2500** can replace or reduce the amount of chlorine, sulfur, blow oil, lard oil and other fatty friction modifiers.

Benefits

- Ashless: will not cause staining
- Light in color with no odor
- High degree of saturation
- Replaces all fats and fatty compounds, reducing biological attack
- Offers dual purpose capability for cutting and hydraulics
- Very low iodine value
- Excellent thermal, oxidative and hydrolytic stability

Typical Properties

Feature	Data
Appearance @ 30C	Clear viscous amber liquid
Specific gravity 60F (15.6C)	1.008
Viscosity (cst) @ 40C	10,525
@ 100C	748
Viscosity index	270
Acid number (mgKOH/g)	5.0 max

Packaging

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

Registration

USA	TSCA
Canada	DSL
Europe	EINECS

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