



Focus Ester PA 125

Polymerized Saturated Branched-Chain Fatty Ester

Product Description

Focus Ester PA 125 is a unique synthetic polymerized ester designed to boost performance and enhance finish in severe metalworking applications. **Focus Ester PA 125** is oil-soluble but can be used to make high performance soluble oil and semi-synthetic machining coolants, as well as drawing and stamping fluids. **Focus Ester PA 125** has a molecular weight that gives it a perfect structure to replace chlorinated paraffins. It is a fully saturated branched-chain fatty acid ester, which offers the highest level of hydrolytic, oxidative and biostability properties. In addition to replacing chlorine, **Focus Ester PA 125** can be used to replace or reduce treat levels of all boundary and EP additives, like phosphorous, sulfur, lard oil, blown oil and other fatty friction modifiers.

Applications

Focus Ester PA 125 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 125** 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 125** can replace or reduce the amount of chlorine, sulfur, blown oil, lard oil and other fatty friction modifiers.

Benefits

- Excellent thermal, oxidative and hydrolytic stability
- Ashless: will not cause staining
- Light in color with no odor
- No chlorine, sulfur or phosphorous
- High degree of saturation offers biostability properties
- Replaces all fats and fatty compound, reducing biological attack
- Very low foam level in water-dilutable systems

Typical Properties

Feature	Data
Appearance @ 30C	Viscous amber liquid
Specific gravity	1.001
Acid number (mgKOH/g)	15.5
Viscosity (cst) @ 40C	3,031
@ 100C	250
Viscosity index	220

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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