

Focus Ester PA 125

PRODUCT DESCRIPTION

Polymerized Saturated Branched-Chain Fatty Ester

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 branched-chain fatty acid, which offers the highest level of thermal and hydrolytic properties. Also, it is expected to be less susceptible to bacterial attack than conventional fatty esters. 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, 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 low odor
- No chlorine, sulfur or phosphorous
- High degree of saturation offers excellent oxidatively stability properties
- Replaces all fats and fatty compounds, reducing biological attack
- Very low foam level in water-dilutable systems

TYPICAL PROPERTIES

Feature	Unit	Standard Value
Appearance @ 30 °C	-	Viscous amber liquid
Specific gravity @ 25 °C	-	1.00
Acid number	mg KOH/g	20
Viscosity @ 40 °C	cSt	3000
Viscosity @ 100 °C	cSt	250
Viscosity Index	-	220

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

NOTE: All statements, information, and data that are given in this bulletin are believed to be accurate and reliable, but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied on our part. Because we have no control over the matter in which our products may be used, we cannot be responsible for the results in customers' processes.