



Focus Ester PA 50

Low Cost Polymerized Branched-Chain Fatty Ester

Product Description

Focus Ester PA 50 is a synthetic polymerized ester designed to boost performance and enhance finish in severe metalworking applications. **Focus Ester PA 50** has a molecular weight that gives it a perfect structure to replace chlorinated paraffins. **Focus Ester PA 50** is a branched-chain fatty acid, which offers the highest level of oxidative and biostability properties. In addition to replacing chlorine, **Focus Ester PA 50** can be used to replace or reduce treat levels of all other boundary and EP additives, like phosphorous, sulfur, lard oil, blown oil and other fatty friction modifiers.

Applications

Focus Ester PA 50 is formulated into emulsion systems like soluble oils, semi-synthetic, synthetic and other water-dilutable fluids that provide exceptional lubricity. Treatment levels of 1% to 8% into the concentrate are suggested. **Focus Ester PA 50** is based on tall oil fatty acid, which contains a higher unsaturation level. Therefore, **Focus Ester PA 50** is not recommended for neat oil or drawing and stamping applications. **Focus Ester PA 50** will replace chlorine, inactive sulfur, blow oil, lard oil and other friction modifiers.

Benefits

- Light in color with no odor
- Replaces all fats and fatty compounds, reducing biological attack
- Provides exceptional lubricity
- Secondary emulsification

Typical Properties

Feature	Data
Appearance	Clear viscous amber liquid
Specific gravity	1.003
Acid number (mgKOH/g)	23.9
Viscosity (cst) @ 40C	2,508
@ 100C	270
Viscosity index	255

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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