

Focus Ester PA 50

PRODUCT DESCRIPTION

Low Cost Polymerized Branched-Chain Fatty Ester

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 complex fatty acid ester, which offers the highest level of hydrolytic stability 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, 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 an unsaturated acid. 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 low odor
- Replaces all fats and fatty compounds, reducing biological attack
- Provides exceptional lubricity
- Secondary emulsification

TYPICAL PROPERTIES

Feature	Unit	Standard Value
Appearance @ 25 °C	-	Clear viscous amber liquid
Specific gravity @ 25 °C	-	1.00
Acid number	mg KOH/g	25
Viscosity @ 40 °C	cSt	2800
Viscosity @ 100 °C	cSt	300
Viscosity Index	-	260

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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