



## Focus Ester PA STR

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### Product Description

**Focus Ester PA STR** is a unique synthetic polymerized stearic acid ester designed to boost performance and enhance finish in severe metalworking applications like drawing and stamping fluids. **Focus Ester PA STR** 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 STR** can be used to replace or lower treat levels of all other boundary and EP additives, like phosphorous, chlorine, sulfur, blown oil, lard oil and other fatty friction modifiers. **Focus Ester PA STR** can also be used in combination with any extreme pressure additives.

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### Applications

**Focus Ester PA STR** can be used to create thixotropic drawing and stamping fluids, as well as water-dilutable wire drawing fluids.

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### Benefits

- Excellent film strength
- Can be used for thixotropic fluids with amides
- Thermal and oxidative stability
- Ashless
- Low odor

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### Typical Properties

Feature	Data
Appearance	Solid
Specific gravity, 60F (15.6C)	0.998
Viscosity (cst) @100C	230
Viscosity index	210
Acid number (mgKOH/g)	17.5

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### Packaging

Packaging	Description	Net Wt.
Drums	55 gallon non-returnable	400 lbs
Totes	275 gallon non-returnable	2,000 lbs

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### Registration

USA	TSCA
Canada	DSL
Europe	EINECS

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