

## Focus Ester PE 1850

### PRODUCT DESCRIPTION

**Focus Ester PE 1850** is a free acid, water-insoluble polyalkylene glycol phosphate ester. When neutralized with water-soluble amines or metal hydroxides, **Focus Ester PE 1850** is an effective emulsifier and coupler for water-based metalworking fluids. In synthetic fluids, water-insoluble polyalkylene glycols can be emulsified using this product when neutralized. **Focus Ester PE 1850** also functions as an extreme pressure additive.

### APPLICATIONS

- Semi-synthetic and synthetic cutting and grinding fluids
- Semi-synthetic and synthetic drawing and stamping fluids
- Treat levels of 0.5% to 8%, depending on the severity of the machining operation

### BENEFITS

- Emulsifier/coupler for water-based metalworking fluids
- Extreme pressure characteristics

### TYPICAL PROPERTIES

Feature	Data
Appearance	Clear amber liquid
Specific gravity @ 25 °C	1.01
Acid number (mg KOH/g)	70
Viscosity @ 40 °C (cSt)	300

### PACKAGING

Packaging	Description	Net Weight
Drums	55 gallon non-returnable	450 lbs.
Totes	275 gallon non-returnable	2,250 lbs.

### REGISTRATION

USA	TSCA
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### HANDLING, SAFETY, HEALTH AND ENVIRONMENT

See safety data sheet

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