

## Focus Ester OE 1005

### PRODUCT DESCRIPTION

**Focus Ester OE 1005** is specially designed to use in water-dilutable metalworking coolants. **Focus Ester OE 1005** will provide lubrication and corrosion protection with outstanding wetting characteristics. Using **Focus Ester OE 1005** will reduce or eliminate the amount of additives needed in metalworking coolants, like chlorine, fatty acids and amides. **Focus Ester OE 1005** does not contain any phosphorus, chlorine or sulfur and is ashless.

### APPLICATIONS

**Focus Ester OE 1005** can be formulated into emulsion systems like soluble oils, semi-synthetic, synthetic, drawing and stamping applications. Treatment levels of 1% to 15% into the concentrate are suggested, depending upon the severity of the machining operation. **Focus Ester OE 1005** will replace fatty acids, amides, chlorine, inactive sulfur compounds, blown oil and other friction modifiers. **Focus Ester OE 1005** is an excellent wetter and co-emulsifier, and adds to corrosion protection with cleaner coolant operations.

### BENEFITS

- High oxidative stability
- Excellent corrosion protection
- Co-emulsifier
- Excellent wetting characteristics
- Cleaner metalworking operations
- Replaces nonylphenol ethoxylates

### TYPICAL PROPERTIES

Feature	Unit	Standard Value
Appearance	-	Clear viscous amber liquid
Specific gravity @ 25 °C	-	1.08
Viscosity @ 40 °C	cSt	1000
Acid number	mg KOH/g	60
pH, 1% aqueous	-	8.3

### PACKAGING

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

### HANDLING, SAFETY, HEALTH AND ENVIRONMENT

See safety data sheet

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