

# Focus Ester 603

## PRODUCT DESCRIPTION

**Focus Ester 603** is a vegetable-based polymerized ester designed to boost performance and enhance finish in severe metalworking applications, especially aluminum applications and drawing and stamping. **Focus Ester 603** is a unique medium molecular weight ester designed to offer the highest lubricity and film strength. **Focus Ester 603** a branched-chain fatty acid, which offers the highest level of thermal and hydrolytic properties. Also, it is expected to be less susceptible to bacterial attack than conventional fatty esters. **Focus Ester 603** can replace or enhance traditional fats, esters and extreme pressure friction modifiers.

## APPLICATIONS

- Machining coolants in combination with amide or EO/PO chemistry
- Additional anti-corrosion and lubrication properties to any water-dilutable fluid
- Water-dilutable drawing and stamping fluids
- Micro-emulsions
- Treat levels of 1% -15% in the concentrate are suggested

## BENEFITS

- Excellent thermal and hydrolytic stability
- Ashless: will not cause staining
- Light in color with no odor
- Replaces all fats and fatty compounds, reducing biological attack

## TYPICAL PROPERTIES

Feature	Unit	Standard Value
Appearance	-	Clear viscous amber liquid
Specific gravity @ 25 °C	-	0.99
Viscosity @ 40 °C	cSt	4500
Viscosity @ 100 °C	cSt	300
Viscosity index	-	208
Acid number	mg KOH/g	15

Remarks:

## 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

**TECHNICAL DATA SHEET**

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