

# Metalworking Fluids

**APL™**

**Synthetic Lubricity Improver Additive**



Oleophilic Synthetic Glycolic Ester

## APL™ Synthetic Lubricity Improver Additive

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### Application

**Polartech® APL™ is a high quality synthetic ester suitable for use in all types of metal cutting, forming and drawing fluids where enhanced lubricity is required. Suitable for multimetal applications.**

Typical applications include:

- Oil based metalworking fluids
- Watermix metalworking fluids
- Drawing and forming fluids

### Key Performance Benefits

Enhanced boundary layer lubrication
Resistant to oxidation
Good hydrolytic stability
Synergistic effects with other EP and antiwear additives
Pale colour, low odour, low staining
Easy incorporation into a wide range of fluid chemistries

### Typical Characteristics

Appearance:	Clear Yellow Fluid
Specific Gravity at 20°C:	0.90
Kinematic Viscosity at 40°C, cSt:	9.5
Acid Value, mg KOH/g:	4.0
Iodine Value, $gI_2 / 100g$ :	130
Pour Point, °C:	-6
PMCFP, °C:	250

### Storage

- Store inside warehouse, ideally between 10°C and 30°C
- Store out of direct sunlight
- Shelf life of 12 months from date of supply
- Avoid water collecting on barrel top

### Regulatory Status

							
EINECS/ELINCS	TSCA	DSL/NDSL	NICNAS-AICS	ECL	METI-ENCS	PICCS	SEPA-IECSC
✓	✓	✓	✓	✓	✓	✓	✓

A full safety data sheet is available on request. Additional information including advice on suitable disposal methods is also available from the Afton Technical Department.