



BT TMPTO

TRIMETHYLPROPANE TRIOLEATE

CAS # 57675-44-2

Standard Specification

Property	Typical Results
ACID VALUE KOH/g	0 – 2.0
APPEARANCE (VISUAL)	PALE YELLOW
COLOR- GARDNER	0 – 6
SAPONIFICATION VALUE KOH/g	180 – 200
VISCOSITY AT 40 °C	35 – 50
SPECIFIC GRAVITY AT 20 °C	0.913 – 0.928
HYDROXYL VALUE KOH/g	10 MAX

Attributes/Benefits:

- Biodegradable
- Produced from plant-based materials
- High flash point (>300 C)
- Strong low temperature properties
 - Pour point minus 47C
- Superior hydrolytic stability
- Suitable for neat oil and semi-synthetic formulations
- Excellent pre-lubrication protection
- High viscosity index (180 C+)
- Safe in alkaline based water systems

Applications:

- Metalworking Fluids
- Environmentally acceptable lubricants
- Class V Bio-ester – Base Oil
- Lubricity additive-- Suitable for neat oil and semi-synthetic formulations
 - Rolling Oils
 - Cutting and grinding –neat and semi-synthetic
 - Drawing and stamping –neat and semi-synthetic
- Fire resistant hydraulic fluids (FRHF)

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