

## Glyceryl Esters Technical Data Sheet

Glyceryl esters are 100% naturally derived from glycerol and fatty acids, making them readily biodegradable and environmentally friendly. The glycerol group can be esterified with one, two, or three fatty acids to form monoglycerides, diglycerides, and triglycerides. All components are derived from select natural fats and seed oils to provide the desired physical and performance properties.

Glyceryl esters are used as base stocks, lubricity additives and emulsifiers in industrial, automotive and metalworking applications. They are also widely used as plasticizers, antistats, antifogging agents and processing aids in plastic manufacturing, as well as dispersing aids, defoamers and emollients in personal care and cosmetic applications.

Synthetic Ester	Chemistry	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	Viscosity Index	Flash Pt. (°C)	Pour Pt. (°C)
LEXOLUBE GT-855 IG	Saturated	15	4	135	235	-15
LUBRICIT GTO	Unsaturated	40	8.5	200	325	-25
LUBRICIT 9504	Unsaturated	42	6.1	110	245	5
LUBRICIT GMO	Unsaturated	50	9	150	240	0
LUBRICIT GMO-VEG	Unsaturated	50	9	150	240	0
LUBRICIT GMT	Unsaturated	75	10	110	245	-20
LUBRICIT GMIS	Saturated	129	13	95	255	0
LUBRICIT GTL	Saturated	Solid	4.6	n/a	270	45

### Features

- Lubricity
- Surfactant/Co-emulsifier
- 100% Bio-based/Renewable
- Readily biodegradable
- Low volatility
- Environmentally friendly
- Worker friendly

### Applications

- Bio-based lubricants
- LuSC – EcoLabel lubricants
- Metalworking
- Engine oils
- Grease
- Plastics processing
- Personal care

Please inquire about additional tailor-made products that can be made to fit your exact performance requirements.

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