

Sorbitan Esters Technical Data Sheet

Sorbitan esters are 100% naturally derived from sorbitan and fatty acids, making them readily biodegradable and environmentally friendly. Sorbitan is derived from sugar, and can be esterified with one, two or three fatty acids to form oil soluble compounds. The fatty acids are derived from select natural fats and seed oils to provide the desired physical and performance properties.

LUBRICIT sorbitan esters are industrial grade additives used as emulsifiers and lubricity additives in metalworking and textile lubricant applications. They are also widely used as surfactants for industrial cleaners and degreasers. Select sorbitan esters are water-in-oil emulsifiers and stabilizers finding use in pharmaceutical, personal care and cosmetic applications.

Synthetic Ester	Chemistry	Viscosity @ 40°C (cSt)	Viscosity @ 100°C (cSt)	Viscosity Index	Flash Pt. (°C)	Pour Pt. (°C)
LUBRICIT STO	Unsaturated	110	14	135	230	-30
LUBRICIT STO-VEG	Unsaturated	110	14	135	230	-30
LUBRICIT S75	Unsaturated	180	16	90	250	-25
LUBRICIT SSO	Unsaturated	380	23	70	250	-20
LUBRICIT SSO-VEG	Unsaturated	380	23	70	250	-20
LUBRICIT SMO-VEG	Unsaturated	404	24	75	270	0
LUBRICIT SMO	Unsaturated	424	25	75	270	0
LUBRICIT SML-LV	Saturated	700	25	10	250	-5
LUBRICIT SML	Saturated	1435	36	0	215	5
LUBRICIT SMIS	Saturated	3660	78	56	250	10

Features

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

Applications

- Metalworking
- Bio-based lubricants
- Cleaners
- Degreasers
- Textile/Fiber lubricants
- Cosmetics
- Personal care

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

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