



SYLFAT™ 2LT Tall Oil Fatty Acid

PRODUCT DATA SHEET

SYLFAT 2LT Tall Oil Fatty Acid (TOFA) is refined from selected crude tall oil grades aimed to achieve a low temperature performance, under carefully controlled process conditions and extended analysis for consistent quality. The utility of SYLFAT 2LT can be found in the long carbon chain (C18), acid function of the carboxyl group (COOH), unsaturation of the double bonds and consistently low cloud point and pour point. SYLFAT 2LT is developed for applications requiring low temperature properties.

FEATURES:

- Low content of rosin acids and unsaponifiabiles
- Clarity at low temperatures
- SYLFAT 2LT tall oil fatty acid contains 100% USDA certified biobased content

POTENTIAL APPLICATIONS:

- Component for lubricity improvers

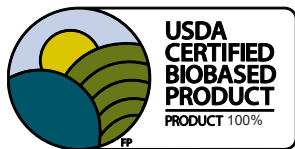
SALES SPECIFICATIONS

Property	Test Method*	Specification
Acid Number (mg KOH/g)	AQCM 001	194 – 199
Colour, Gardner, Photometer	AQCM 002	3.0 – 4.5
Free Rosin Acids (%)	AQCM 010	1.0 – 2.0
Unsaponifiabiles (%)	AQCM 011	Max 2.0
Cloud Point (°C)	AQCM 061	Max -4
Viscosity at 20 °C (cSt)	AQCM 234	20 – 50
Density at 15 °C (g/cm ³)	AQCM 234	0.89 – 0.93

*Kraton test methods are available upon request

KRATON

SOLUBILITY	SYLFAT™ 2LT Tall Oil Fatty Acid is <u>soluble</u> in alcohols, aromatics, esters and ketones, and <u>insoluble</u> in water.
COMPATIBILITY	SYLFAT 2LT is compatible with other liquid fatty acids and vegetable oils.
PACKAGING	SYLFAT 2LT is delivered as a liquid in tank trucks, ISO containers, rail cars, flexi tanks, IBC's or steel drums (as available). Typical delivery temperature is 10 – 30 °C (50 – 86 °F).
STORAGE RECOMMENDATION	<p>SYLFAT 2LT should be stored dry, below 25 °C (77 °F) and away from direct sunlight.</p> <p>If precipitation occurs when stored at temperatures below the product's cloud point, it does not affect the use of the product as a chemical raw material. Slight heating to about 40 °C (104 °F) dissolves the precipitated material.</p> <p>Since colour changes of >1 Gardner unit can be seen over time due to oxygen or heat exposure, testing of product in applications sensitive to colour is recommended prior to use.</p>



The USDA Certified Biobased Product label is a certification mark of the U.S. Department of Agriculture.