KRATON

SYLFAT™ 2 Tall Oil Fatty Acid

PRODUCT DATA SHEET

SYLFAT 2 Tall Oil Fatty Acid (TOFA) has a high fatty acid content and a low content of rosin acids and unsaponifiables. It provides a combination of light colour, good colour stability and air-drying properties. The utility of SYLFAT 2 Tall Oil Fatty Acid can be found in the long carbon chain (C18), acid function of the carboxyl group (COOH) and unsaturation of the double bonds.

FEATURES:

- Low viscosity, liquid long fatty acid chain
- Low colour and good colour stability
- Monocarboxylic acid functionality
- Reactive polyunsaturation
- High iodine number but low in conjugation (contains pinolenic acid)
- SYLFAT 2 tall oil fatty acid contains 100% USDA certified biobased content

POTENTIAL APPLICATIONS:

- Alkyd resins
- Dimer acids
- Polymers
- Oilfield reagents
- Mining
- Surfactants
- Specialty industrial and household cleaners

SALES SPECIFICATIONS

Property	Test Method*	Specification	Typical Value
Acid Number (mg KOH/g)	AQCM 001	Min 193	196
Colour, Gardner, Photometer	AQCM 002	Max 5	4.2
Free Rosin Acids (%)	AQCM 010	Max 2.1	1.6
Unsaponifiables (%)	AQCM 011	Max 2.5	1.5

*Kraton test methods are available upon request

TYPICAL PROPERTIES

Property	Test Method*	Typical Value
Iodine Number (cg I/g)	AQCM 009	152
Saponification Number (mg KOH/g)	AQCM 019	197
Cloud Point (°C)	AQCM 061	2
Pour Point (°C)	AQCM 060	-14
Viscosity at 20 °C (cP)	AQCM 004	25
Density at 20 °C (kg/m^3)	AQCM 133	905

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SOLUBILITY	SYLFAT™ 2 Tall Oil Fatty Acid is soluble in alcohols, aromatics, esters and ketones, and insoluble in water.
COMPATIBILITY	SYLFAT 2 Tall Oil Fatty Acid is compatible with other liquid fatty acids and vegetable oils.
PACKAGING	SYLFAT 2 Tall Oil Fatty Acid 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	SYLFAT 2 Tall Oil Fatty Acid should be stored dry and below 25 °C (77 °F), and away from direct sunlight. The product must be retested after longer storage to ensure the properties are within specification limits. 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. If precipitation occurs, 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.

USDA CERTIFIED BIOBASED PRODUCT
PRODUCT 100%

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