

TOFA-18

Product Datasheet

Item number: 10-043

General Information

TOFA-18 is a tall oil fatty acid containing a high percentage of C18 monounsaturated fatty acids. It can be used as a replacement for animal oleic acid; derivative products perform similarly to oleic-based derivatives and lack rancidity problems. Other applications include esters, imidazolines and specialty soaps. **TOFA-18** is also used by fuel blenders.

Specification

Analysis	Value
Acid number (mg KOH / g)	min. 188
Colour Gardner, photometer	max. 5
Rosin acids, %	max. 5.0

Typical properties

Analysis	Typical Value
Saponification number	186
Fatty acids (%)	93
Unsaponifiables (%)	3.1
Titer Point (°C)	20
Turbidity (°C)	13.3
Pour Point (°C)	0.9
Viscosity (cPs at 25 °C)	44
Iodine value (g / 100 g)	97
Flash point, COC (°C)	199
Density 25 °C (kg / L)	0.91
Sulfur (ppm)	45.0

Delivery form

- Liquid in ISO-container, flexitanks or tankers
- In drums of approx. 186 kg net

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Fatty Acid Distribution

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Parameter	Unit	Typical Value
C 16 Palmitic acid	%	7.58
C 17 Margaric acid	%	0.36
C 18:0 Stearic acid	%	2.60
C 18:1 Oleic acid	%	45.62
Elaidic acid	%	24.51
C 18:2 Linoleic acid	%	5.96
C 18:3 Linolenic acid	%	0.24
Linoleic conjugated	%	4.10
Palmitoleic acid	%	0.00
Eicosatrienoic acid	%	0.73
Eicosadienoic acid	%	0.62
Eicosanoic acid	%	0.53
Abietic acid	%	0.00
Dehydroabietic acid	%	0.14
Other rosin acids	%	3.86
Unsaps / other	%	3.15