

# Technical Data Sheet

## Pamolyn™ 150 Fatty Acid

### Applications

- Adhesives/sealants-b&c
- Commerical printing inks
- Paints & coatings
- Polymer modification
- Protective coatings

### Key Attributes

- Color stability
- High oleic acid content
- Low odor level & uniform fatty acid composition
- Low saturated acids and unsaponifiables content
- Low titer
- Pale initial color

### Product Description

Pamolyn™ 150 fatty acid is a commercial grade fatty acid derived wholly from a tall oil fatty acid source. It is a low odor, pale, color stable, low titer, oily liquid. Compared with commercial grades from other vegetable or animal sources, Pamolyn™ 150 fatty acid is high in oleic acid and low in saturated acid content. Unlike tallow source oleic acids, it is free of lower molecular weight acids. All fatty acids in Pamolyn™ 150 fatty acid are of C18 origin. Pamolyn™ 150 fatty acid is designed for a broad range of applications. Typical uses, when it is converted to soaps, sulfonated products, and other derivatives, include: textile processing aids, automotive additives and mold lubricants, agents for production of synthetic rubber, surfactants for a variety of other uses, and flotation reagents.

### Typical Properties

Property	Test Method	Typical Value, Units
<b>General</b>		
Acid Number		196
Fatty Acids		98 %
Rosin Acids		0.4 %
Unsaponifiables		0.6 %
Color, Gardner		1
Color		
after heat test	D 1981-61	2
Iodine Value	Wijs	101
Saponification Number		199
Titer		9 °C
Specific Gravity		
@ 25°C		0.89 kg/L (7.44 lb/gal)
Fatty Acid Composition		
C16:0	GC	0.2 %
C18:0		2.5 %
C18:1		77.0 %
C18:2		18.0 %
C18:3		0.8 %
Conjugated Linoleic Acid	GC	3.7 %

### Packaging

Tank cars: Aluminum, Kanigen- and resin-lined cars: Drums: 55-gal (208-1), DOT-17E-type, nonreturnable lined steel drums. Net contents 410 lbs (186 kg).

## Storage

Do not store in carbon steel containers since fatty acids will react and discolor. Inside storage and "first in first out" inventory control is recommended. Storage at temperatures above 30°C should be avoided. Fatty acids are susceptible to gradual oxidation, some more so than others. This could result in darkening and/or it could have an adverse effect on the solubility of the product in organic solvents or on its compatibility with polymers. Accordingly, it is recommended that strict control of inventory be observed at all times, taking care that the oldest material is used first. Material will remain within product specification limits for a period of at least twelve months after shipment from Eastman's production facilities, provided recommended storage conditions are observed. However, as neither the processing conditions for the product, nor the end use applications for which it is used can be anticipated and extreme conditions can affect the product quality, it is recommended that the material be tested upon receipt.

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