EASTMAN

# Technical Data Sheet
## Pamolyn™ 125 Oleic Acid

## Applications

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

## Key Attributes

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

## Product Description

Pamolyn™ 125 oleic acid is a high purity, commercial grade oleic 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™ 125 oleic 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™ 125 oleic acid are of C18 origin. Pamolyn™ 125 oleic 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, and surfactants for a variety of other uses.

## Typical Properties

| Property | Test Method | Typical Value, Units |
|---|---|---|
| **General** | | |
| Acid Number | | 198 |
| Fatty Acids | | 98.5 % |
| Rosin Acids | | 0.2 % |
| Unsaponifiables | | 0.4 % |
| Water | | 0.2 % |
| Color, Gardner | | 1 |
| Color | | |
| after heat test | D 1981-61 | 2 |
| Iodine Number | Wijs | 98 |
| Saponification Number | | 199 |
| Titer | | 10 °C |
| Specific Gravity | | |
| @ 25°C | | 0.89 kg/L (7.44 lb/gal) |
| Fatty Acid Composition | | |
| C16:0 | GC | 0.2 % |
| C18:0 | | 2.6 % |
| C18:1 | | 83.0 % |
| C18:2 | | 13.0 % |
| C18:3 | | 0.3 % |
| Conjugated Linoleic Acid | GC | 2.5 % |

## Packaging

Tank cars: Aluminum, Kanigen- and resin-lined cars; Tank wagons and Drums: 55-gal, 208-l (410 lbs, 186 kg, net wt), ICC-17E-type, non-returnable lined steel drums.

# 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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