EASTMAN

Technical Data Sheet

Pamolyn™ 200 Linoleic Acid

Applications

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

Key Attributes

- High purity, low odor, pale color linoleic acid
- Highly resistant to discoloration on exposure to heat and light
- Low rosin acid content
- Low unsaponifiables
- Very low titer point

Product Description

Pamolyn™ 200 linoleic acid is a high purity grade of linoleic acid derived wholly from a tall oil fatty acid source. It is a pale, oily liquid with low odor, and is highly resistant to discoloration on exposure to heat and light. Because of the near absence of saturated fatty acids, this product has exceptionally low titer. Pamolyn™ 200 linoleic acid contains a low percentage of unsaponifiables and resin acids. Pamolyn™ 200 linoleic acid is designed especially for the protective coatings industry for production of pale, color retentive, fast drying alkyds and epoxy resin ester coatings. Other uses for this linoleic acid are in applications that require both wetting and drying properties, such as printing ink vehicles and caulking and sealant compositions.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Acid Number		193
Fatty Acids		95.5 %
Rosin Acids		1.5 %
Unsaponifiables		2.5 %
Color, Gardner		3.5
Color		
after heat test	D 1981-61	4.5
Iodine Number	Wijs	140
Saponification Number		196
Titer		-15 °C
Specific Gravity		
@ 25°C		0.904 kg/L (7.53 lb/gal)
Fatty Acid Composition		
C16:0	GC	0.2 %
C18:0		0.1 %
C18:1		20 %
C18:2		74 %
C18:3		4 %
Conjugated Linoleic Acid	GC	11 %

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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