EASTMAN

Technical Data Sheet
Pamolyn™ 100 Oleic Acid

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

Key Attributes
- Excellent color stability
- Exceptionally high purity
- Low odor level & uniform fatty acid composition
- Low saturated acids and unsaponifiables content
- Water-white initial color

Product Description
Pamolyn™ 100 Oleic Acid is an exceptionally high purity grade of oleic acid derived wholly from a tall oil fatty acid source. It is a low odor, essentially water white, low titer, oily liquid. Pamolyn™ 100 Oleic Acid is a unique commercial fatty acid in that it contains, typically, 90% oleic acid, all of which is in the naturally occurring cis-isomer form. Because Pamolyn™ 100 Oleic Acid contains only a low percentage of polyunsaturated acids, it has excellent oxidation resistance and color stability. Saturated fatty acids and unsaponifiables in Pamolyn™ 100 Oleic Acid are also outstandingly low. Pamolyn™ 100 is used in numerous cosmetic and personal care applications, functioning as an emulsifier or surfactant.

Typical Properties

Property	Test Method	Typical Value, Units
General		
Acid Number		198
Fatty Acids		99 %
Rosin Acids		nil
Unsaponifiables		0.3 %
Water		0.2 %
Color, Gardner		1
Color		
after heat test	D 1981-61	1+
Iodine Number	Wijs	90
Saponification Number		199
Titer		11 °C
Specific Gravity		
@ 25°C		0.888 kg/L (7.40 lb/gal)
Fatty Acid Composition		
C16:0	GC	0.2 %
C18:0		2.6 %
C18:1		89 %
C18:2		7 %
C18:3		0.1 %
Conjugated Linoleic Acid	GC	1.5 %

Packaging
Tank cars: Aluminum, Kanigen- and resin-lined cars;Tank wagons and Drums: 55-gal (208-l), ICC-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.

2/28/2018 11:35:39 AM