

Oleic Acid (NuPro 105)

Oleic Acid (NuPro 105) is supplied in the Fatty Acids range for industrial formulation and processing enquiries. Listed grade: OLEIC ACID (NUPRO 105). CAS No. 112-80-1.

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Technical Data Sheet

Nupro 105 Veg Oleic Acid

Product Name: Nupro 105 Veg Oleic Acid

Type: Monounsaturated Oleic Fatty Acids

CAS No: CAS: 112-80-1

Molecular Formula: C₁₈H₃₄O₂

Molecular weight: 282.46 g/mol

Product description & Features: is a vegetable oil based monounsaturated fatty acid that can be used in several applications. It is naturally occurring in various animal and vegetable fats. It has low color and unsaturation is needed. It is a certified as Kosher grade but not FCC Food grade.

Application and uses of Nupro 105 Veg Oleic Acid: It finds usage in many industries such as: is used in a wide variety of industries, Textiles, Leather working, Cleaners, Oilfield additives, Corrosion inhibitors, Surfactants, Metalworking fluids. lubricants,, Chemical intermediates, Alkyd resins.

Physical Constants:

Properties	Specifications.
Physical form (Physical)	Clear Viscous Liquid
Color (Physical)	Colorless to faint yellow
Color (Gardner)	0-2
Odor	Fatty/sweet
Iodine value gl ₂ / 100gms	85-105
Moisture % (w/w)	0.1-0.3
Specific Gravity °C/°F 20-68	0.9
Viscosity Centi Stokes °C/°F 20-68	28
Boiling Point °C/°F	230-446
Titer Point °C/°F	10-50/15-59
Oleic Acid Content w/w	75-78
Typical Fatty acid Profile % W/W	
C16:0 – Palmitic Acid	4.0
C18:0 – Stearic Acid	4.0
C18:1 – Oleic Acid	78.0
C18:2 – Linoleic Acid	11.0
C18:3 – Linolenic Acid	3.0

Nutritional data: typical per 100 Gms.

Handling, Storage of Nupro 105 Veg Oleic Acid**Handling:**

The product is to be agitated when heating and it should be in SS drum, aluminum or lined drums (No Cooper is recommended and also the pump lines should be of SS, Aluminium or plastic. Load out Filter is 10 Microns

Storage:

Ideal conditions of storage is °C/°F 23-73.4 and in an inert Nitrogen atmosphere for prolonged life. Please refer to SDS (Safety Data sheet) before using the product. It is highly recommended that you provide appropriate training and make sure SDS is available at the workstation and workers are aware of all the necessary precautions to be taken before handling this product

Shelf Life of Nupro 105 Veg Oleic Acid Following reconstitution, aliquot and freeze (-20°C). Stock solutions are stable for up to 4 months under above storage temperatures

Delivery and Packing:

Nupro 105 Veg Oleic acid : Packaged under inert gas and is available in tank cars and tanker trucks
The material is available in totes or drums upon request.