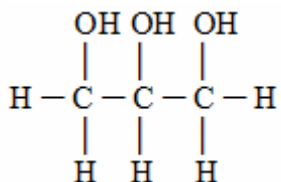




## TECHNICAL DATA SHEET

## SuperoL NK, Glycerin USP/FCC



### Description:

**SuperoL NK, Glycerin USP/FCC**

**CAS#** 56-81-5; **Formula:** CH<sub>2</sub>OHCHOHCH<sub>2</sub>OH

SuperoL NK Glycerin is produced from triglycerides (oil/fat) on dedicated equipment by methanolysis. The process results in the glycerin molecule to separate from the triglyceride. The diagram above shows the glycerin molecular structure. It is a water white liquid with a slightly sweet taste

### PHYSICAL PROPERTIES

(all properties @ 22°C (72°F), 760mmHg unless stated)

Equivalent Weight:	246	Density (g/ml):	1.261
Specific Gravity:	1.25	Flash Point:	>198.9°C (390°C)
Melting Point:	19°C	Molecular Weight:	92
Viscosity:	71 cp @ 25°C		
Boiling Point:	290°C		
Taste:	Tangy sweet		

Stable and soluble in water and miscible with ethanol, slightly soluble with acetone. Water white, liquid,

## GENERAL INFORMATION

### Regulatory Compliance:

- Designated as NK (Non Kosher)
- Complies with USP United States Pharmacopeias
- Complies with FCC Food Chemicals Codex
- Complies with IPEC International Pharmaceutical Excipients Council

### Application Uses

End-use applications for SuperoL NK Glycerin include pharmaceutical excipient applications, food and beverage ingredient, sweetener, personal care items such as tooth pastes, polyether polyols, alkyd resins, explosives, humectants, coatings, pet foods, lubricants, flexible foams, solid fuel, de-/anti-icers, soaps

## GENERAL INFORMATION cont...

### Natural Derivation/Allergen/BSE/Microbial:

Our SuperoL NK Glycerin is produced at P&G Chemicals' Cincinnati plant. It is manufactured entirely from naturally occurring Vegetable oils and Animal tallow.

- No preservatives or additives are present.
- No gluten/wheat, corn, dairy, egg, fish/shellfish, sulfites, yeast, starch, MSG, peanut, other nut, rice, sugar, or sodium potential allergens are present.
- Our manufacturing process contains a distillation step (reaching temperatures of 300 - 345°F) which is self-sterilizing, destroying potential microbes. Moreover, glycerine contains low available moisture and has inherent antimicrobial properties as a concentrated solution.

### Shelf Life

We expect the shelf life of SuperoL NK, Glycerin, USP/FCC to be approximately 2 years if it is kept under the recommended storage and handling conditions. If the product has not been used within 2 years, we recommend to test the product for key specifications. No specific data has been collected for the shelf-life of opened containers of glycerin is hygroscopic, it can be expected that moisture content would increase upon extended exposure to air.

**P&G CHEMICALS DOES NOT PROVIDE EXPIRY DATES**

### Storage and Handling

**(recommended) Storage Temp**

**Targets:** 35-52°C (95-125°F) **Handling**

**Temp Min-Max:** 35-52°C (95-125°F)

**Sensitive Properties:** Odor, Moisture, Color, FA&E, RCS

**Max Steam, psig:** 10 psig for storage, 30 psig for railcar

**Nitrogen Blanket:** YES (>1 month)

**Load out filter:** 5 micron

**Rail Car or Tank Truck:** Latchet, stainless, aluminum or Food

Grade lining

**Agitation/Recirculation:** Yes

**Storage Tank:** Stainless Steel or lined with Calcite 252 or

Placate 9570

**Pumps and Lines:** Stainless Steel or lined with Calcite 252 or

Placate 9570

**Note:** Heating should not exceed the max handling temperature of (52°C) 125°F

IMPORTANT NOTE This technical product information and suggestions for use, while believed to be accurate and reliable, is given without guarantee or warranty of any kind expressed or implied. Purchaser assumes all risk in acting on this information provided by Procter & Gamble representatives. Individual requirements vary, and each purchaser is urged to perform their own tests, experiments and investigations in the use of Procter and Gamble products and for purposes of determining compliance with applicable Federal, State and local laws and regulations. Nothing contained herein shall be construed as a recommendation to use any product in connection with existing patents covering any material or its use. Moreover, no license is to be implied under any Procter & Gamble patents relating to uses of the above

**For further details, or samples of Superol NK Glycerin and other P&G Chemicals products, visit our website:**

**[www.pgchemicals.com](http://www.pgchemicals.com)**