



## Lubrajel<sup>®</sup> NP Free

### **Description:**

Lubrajel NP Free was developed in order to fulfill the need for a paraben free version of Lubrajel NP. It utilizes a preservative system different from our other Lubrajels being that it is paraben free. Lubrajel NP Free contains phenoxyethanol instead of parabens. Lubrajel NP Free still has the same excellent moisturizing and rheological characteristics.

Lubrajel NP Free has been marketed to the cosmetic industry as a moisturizing base. This extraordinary moisturizer is skin-pH compatible and lends rheological qualities as well as aesthetics to cosmetic creams, lotions and other personal care products. The paraben free aspect to this ingredient gives the formulator flexibility and the wide acceptance of the preservative system replacing the parabens adds to the user-friendly aspect of the product.

### **Uses:**

In cosmetics, Lubrajel NP Free is usually employed at concentrations between 8 and 50% depending on the degree of moisture balancing, rheological considerations and aesthetics desired in the product. Lubrajel NP Free is usually added post emulsion formation in creams and lotions. It is often added before the cool-down of hot emulsions. It may also be used to stabilize cold manufactured emulsions. A formulary is available upon request.

### **Nomenclature:**

CAS: 56-81-5, 9003-01-4

Proposed INCI: Glycerin and Glyceryl Acrylate/ Acrylic Acid Copolymer

EINECS: 200-289-5, 201-177-9

### **Typical Properties:**

These values are typical properties only and not necessarily specifications. Specifications and test methods are available upon request.

Form	Viscous Gel
Color	Colorless
Clarity	Clear
pH (20 – 25 °C, as is)	5.2
Viscosity as is (20 – 25 °C) (Brookfield DV-II, spindle 6, 2.5 rpm)	300,000
Refractive Index	1.39

### **Testing:**

Lubrajel NP Free is characterized as having an excellent toxicological profile. Based on testing of a chemically similar product (Lubrajel CG), it should have an oral LD 50 greater than 5 grams per kilogram, is not irritating to the skin or eyes, and is not a sensitizer. A summary of safety tests performed using Lubrajel CG is available upon request.

### **Derivation:**

No animal derived ingredients are used in the manufacture of Lubrajel NP Free. All raw materials used in Lubrajel NP Free are of synthetic or vegetable origin.

### **Storage and Handling:**

Lubrajel NP Free is very slippery and appropriate care should be taken during handling. Avoid contact with strong acids, alkalis or oxidizing agents.

Avoid exposure to x-rays.

### **Availability:**

Lubrajel NP Free is available in 45-pound pails and in 500-pound drums.

Contact Guardian Laboratories for information about samples or sales.