



## Lubrajel® CG

### **Description:**

Lubrajel CG was the very first Lubrajel and was developed in the early 1970's as a **non-drying, water-soluble** lubricant for the medical field. Lubrajel CG has been marketed since its development in 1973 as a medical lubricant. It has been used as a general and instrument lubricant for use during physical exams, and applied to catheters, thermometers and a host of other instruments. For medical uses this is now called Lubrajel MG. The Lubrajel CG name now applies only for cosmetics applications.

Since the 1980's, Lubrajel CG has been marketed to the cosmetic industry as a moisturizing base. This extraordinary moisturizer also lends rheological qualities as well as aesthetics to cosmetic creams, lotions and other personal care products. It is utilized by many of the world's cosmetic manufacturers as a unique moisturizer and is found in a variety of products worldwide.

### **Uses:**

In cosmetics, Lubrajel CG is usually employed at concentrations between 5 and 50% depending on the degree of moisture balancing, rheological considerations and aesthetics desired in the product. Lubrajel CG 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 sample formulary is available upon request.

### **Nomenclature:**

CAS: 56-81-5, 9003-01-4, 57-55-6  
INCI: Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer and Propylene Glycol  
EINECS (Europe): 200-289-5, 201-177-9, 200-338-0  
DSL/NDSL (Canada): 1650, 8957, 1675  
ENCS (Japan): JP 001341, JCIC 108622, JSCI 002328  
AICS (Australia): All components comply

### **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)	5.5
Viscosity (20 – 25 °C) (Brookfield DV-II, spindle 6, 2.5 rpm)	300,000 cps
Refractive Index	1.420
% Methylparaben	0.18
% Propylparaben	0.05

### **Testing:**

Lubrajel CG is characterized as having an excellent toxicological profile. It has 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 CG. All raw materials used in Lubrajel CG are of synthetic or vegetable origin.

### **Storage and Handling:**

Lubrajel CG 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 CG is readily available in 50-pound pails and 540 pound drums.

Contact Guardian Laboratories for information about samples or sales.