



## Lubrajel® TW

### **Description:**

Lubrajel TW was developed as a vehicle for cosmetic ingredients with the potential as a pharmaceutical vehicle as well. The solubilization properties of Lubrajel TW enable coupling of a variety of otherwise water insoluble ingredients. The rheological characteristics of TW are very similar to that of Lubrajel MS. The moisturization potential is also very similar. Lubrajel TW is aesthetically different from Lubrajel MS in that it does not have the *tackiness* observed with the latter.

Lubrajel TW 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. Lubrajel TW is utilized by many of the world's cosmetic manufacturers as a unique moisturizer and is found in a variety of products world-wide.

### **Uses:**

In cosmetics, Lubrajel TW 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 TW 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.

### **Nomenclature:**

CAS: 56-81-5, 9003-01-4  
INCI: Propylene Glycol and Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer  
EINECS (Europe): 200-338-0, 200-289-5, 201-177-9  
DSL/NDSL (Canada): 1675, 1650, 8957  
ENCS (Japan): JSCI 002328, JSCI 001223, JCIC 108622  
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 as is (20 - 25 °C)	5.2
Viscosity, cps (20 - 25 °C) (Brookfield DV-II, #6, 2.5 rpm)	300,000 cps
Refractive Index (20 - 25 °C)	1.390
% Methylparaben	0.15
% Propylparaben	0.04

### **Testing:**

Lubrajel TW is a non-primary irritant.

### **Derivation:**

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

### **Storage and Handling:**

For maximum stability, store at  $\leq 30$  °C ( $\leq 86$  °F). Lubrajel TW is very slippery and proper care should be taken in handling. Avoid contact with strong acids, alkali or oxidizing agents.

Avoid exposure to x-rays.

### **Availability:**

Lubrajel TW is available in 45-pound pails or 500 pound drums.

Contact Guardian Laboratories for information about samples or sales.