



## Lubrajel<sup>®</sup> II XD

### **Description:**

Lubrajel II XD is the newest member in our Lubrajel series of products. Lubrajel II XD is a high efficiency clathrate gel designed to add exceptional body, moisturization, emolliency and most notably, stabilizing rheology to sparkling clear gel products and emulsions including oil-in-water and water-in-oil, multiple-emulsions and micro emulsions.

### **Uses:**

Lubrajel II XD may be used in a vast range of cosmetic, hair care and personal care products such as hair styling gels, foot and elbow moisturizers, anti-cellulite crèmes, sunscreens, eye gels, and vitamin treatments. It also can be used in dermatological drug delivery products such as acne treatments, burn gels, and to deliver drugs to the skin with a supremely elegant feel found only in the finest skin care products.

Lubrajel II XD can be formulated with an extensive variety of botanical extracts and infusions, liposome actives, humectants and select surfactants.

A prototype formulary is available upon request.

### **Nomenclature:**

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

INCI: Glycerin and Glyceryl polyacrylate

EINECS (Europe): 200-289-5, 201-177-9

DSL/NDSL (Canada): 1650, 8957

ENCS (Japan): JSCI 001223, JCIC 108622

AICS (Australia): All components comply

### **Preservatives:**

Contains methylparaben and propylparaben.

### **Derivation:**

United-Guardian, Inc. does not use animal derived ingredients in the manufacture of Lubrajel II XD. All raw materials used in Lubrajel II XD are of synthetic and/or vegetable origin.

### **Residual Monomer:**

Monomer concentration (as acrylic acid) is typically below detection limits of 2 parts per million.

### **Typical Properties:**

These Values are typical properties only and not necessarily specifications. Specifications are available upon request.

<i>Appearance</i>	<i>Crystal clear viscous gel</i>
<i>Viscosity (10% in water)</i>	<i>14,000 cps</i>
<i>pH</i>	<i>4.7 - 5.5</i>

Test Methods available upon request

### **Testing:**

Repeated Insult Patch Test indicates that Lubrajel II XD is non-irritating and may be considered hypoallergenic.

Moisturization studies support long term hydration of the skin. Efficacy exceeds 24 hours.

### **Storage and Handling:**

Lubrajel II XD should be stored below 30°C for optimum product quality.

**Shelf Life:** 2 years from date of manufacture

### **Availability:**

Lubrajel II XD is available in 45 pound and 500 pound polyethylene pails and drums.

NOTE: The suitability of Lubrajel II XD for a specific use is the sole responsibility of those providing the final dosage form. It is their responsibility to secure approvals from those regulatory agencies concerned with the use, sale and distribution of the product.

Contact Guardian Laboratories for samples and sales information.