



Lubrajel[®] NP

Description:

Lubrajel NP was developed as an offspring of Lubrajel MS and therefore has similar characteristics to Lubrajel MS. Lubrajel NP was designed specifically for the Japanese cosmetic market in which certain cosmetic formulators prefer not using propylene glycol in their products. Since the presence of propylene glycol is mainly for solubilizing the preservatives (methyl and propyl paraben), its removal had no significant effect on the rheological or moisturization properties of Lubrajel. The preservatives, however, had to be incorporated using a different technique.

Lubrajel NP 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. Lubrajel NP is widely accepted 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 NP 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 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
INCI: Glycerin and Glyceryl Acrylate/Acrylic Acid Copolymer
EINECS (Europe): 200-289-5, 201-177-9
DSL/NDSL (Canada): 1650, 8957
ENCS (Japan): JP 001341, 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 (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
% Methylparaben	0.09
% Propylparaben	0.013

Testing:

Lubrajel NP 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. All raw materials used in Lubrajel NP are of synthetic or vegetable origin.

Storage and Handling:

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

Contact Guardian Laboratories for information about samples or sales.