



LUBRASIL™ II SB

silicone gum microemulsion

Description:

Silicone is extremely effective emollient, film former and water resistance additive for today's cosmetic formulations. It lends an excellent velvety smooth feel to creams and lotions, hair care products, makeup and powders. Lubrajel® is also an extremely important ingredient, lending rheology modification, lubrication and moisture balancing to personal care products. At Guardian Laboratories, we have combined these two materials to produce a product possessing the desirable properties of each, complementing each other in an elegant manner.

Lubrasil II SB is the unique integration of silicone (Cyclopentasiloxane and Dimethiconol) and Lubrajel [Glycerin and Glyceryl Acrylate/ Acrylic Acid Copolymer] in which the silicone oil is microemulsified using proprietary manufacturing technology.

When incorporated into skin care products, Lubrasil II SB imparts a soft, smooth skin feel that is long lasting. Your skin will feel light, silky and more moisturized throughout the day. For hair care applications, hair will be conditioned, softened and healthier looking.

Uses:

Lubrasil II SB is used in skin care products at levels between 3 and 15%. Higher concentrations are suitable for hair care products.

Lubrasil II SB is compatible to varying degrees with nonionic surfactants, some anionic surfactants, and most water-soluble or dispersible materials that are not highly ionized.

Nomenclature:

CAS: 56-81-5, 9003-01-4, 9002-92-0, 541-02-6, 31692-79-2

Proposed INCI: Glycerin (and) Glyceryl Acrylate/ Acrylic Acid Copolymer (and) Laureth-23 (and) Cyclopentasiloxane (and) Dimethiconol

EINECS (Europe): 200-289-5, 201-177-9, N/A, 208-764-9, N/A

DSL/NDSL (Canada): 1650, 8957, 8952, 4415, N/A

ENCS (Japan): JSCI 001223, JCIC 108622, JSCI 105370, N/A, N/A

AICS(Australia): All components comply except Dimethiconol

Typical Properties:

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

Form: Viscous Gel

Color: Iridescent

Appearance @ 20-30 °C: Clear / Opalescent

pH (neat) @ 20-25 °C: 5.3

Viscosity, @ 20-25 °C
(Brookfield

DV-II, spindle 7, 50 rpm): 45,000 cps

Refractive Index @ 22-24 °C: 1.406

Testing:

United-Guardian has not performed any animal testing on Lubrasil II SB. RIPT, HETCAM and Ames testing has been done to attest safety.

Derivation:

United-Guardian does not use any animal derived ingredients in the manufacture of Lubrasil. All raw materials used in Lubrasil II SB are of synthetic or vegetable origin.

Storage and Handling:

Lubrasil II SB is a very slippery material and proper care should be taken in its handling and use. Avoid contact with strong acids, alkalis or oxidizing agents. Avoid exposure to x-rays.

Availability:

Lubrasil II SB is available in 45-pound pails and 500-pound drums.

Contact Guardian Laboratories for information about samples or sales.