LUSPLAN™ series

100% Plant-Derived Liquid Lanolin & Polyisobutene Alternative Esters

LUSPLAN™ DD-DA5 (Non-GMO)

LUSPLAN™ DD-DA7 (Non-GMO)

LUSPLAN™ LV-G

Advantages

Eco-Conscious — Meets demand for eco-conscious formulation by being non-GMO, and Vegan with high naturality (NOI =1, ISO 16128)

Moisturization — 100% plant based esters that feature high water holding capacity provide a high moisturizing effect

Enhanced Shine/Gloss — High refractive index that adds gloss and high-shine appearance

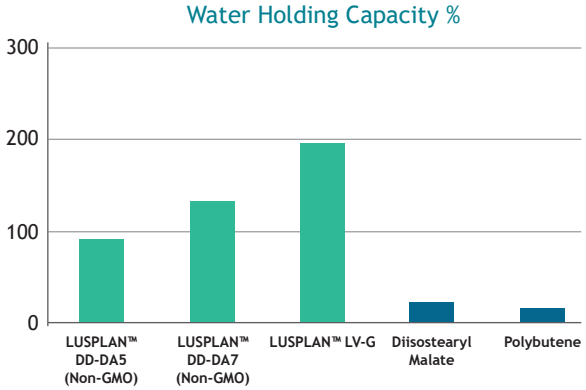
Enhanced Pigment Dispersibility — Acts as a wetting and dispersing agent by reducing interfacial tension for stronger color payoff

Product Name	INCI Name	Advantages	Viscosity (at 25°C)
LUSPLAN™ LV-G	*Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate*	No heating required. For rinse off products - reduces friction during rinsing and provides moisture and softness after drying.	3,000 (mPas)
LUSPLAN™ DD-DA7 (Non-GMO)	*Dimer Dilinoleyl Dimer Dilinoleate*	Hydrogenated Polyisobutene alternative viscous liquid ester.	46,000 (mPas)
LUSPLAN™ DD-DA5 (Non-GMO)	*Dimer Dilinoleyl Dimer Dilinoleate*	Hydrogenated Polyisobutene alternative viscous liquid ester.	13,000 (mPas)

Performance Without Compromise

Water Holding Capacity Comparison of LUSPLAN™ Materials

Water Holding Capacity is the amount of water a substance can retain relative to it's volume. LUSPLAN™ series provide excellent water holding capacity which provides your formulation with moisturization properties.



KLG-124A

Hydrating Lip Balm

Part 1

- **Plandool™-H** - Nippon Fine Chemical/Kobo Products: *Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate* 32.00%
- COSMOL™ 222 - Ikeda Corp.: *Diisostearyl Malate* 16.00%
- **KOBOGUARD® NATURAL 3000-CO55** - Kobo Products: *Glyceryl Hydrogenated Rosinate (And) Ricinus Communis (Castor) Seed Oil* 13.00%
- **HL7M5** - Kobo Products: *Hydrogenated Polyisobutene (And) Silica* 10.50%
- **LUSPLAN™ DD-DA7** - Nippon Fine Chemical/Kobo Products: *Dimer Dilinoleyl Dimer Dilinoleate* 8.00%
- EUTANOL G - BASF: *Octyldodecanol* 5.50%
- Silkflo® 364 - Vantage: *Hydrogenated Polydecene* 4.00%
- Shea Butter - Jeen International: *Butyrospermum Parkii (Shea) Butter* 3.00%
- Microcrystalline Wax SP-89 - Strahl & Pitch: *Microcrystalline Wax* 2.50%
- **Hyacharming®** - Focus Freda/Kobo Products: *Sodium Hyaluronate (And) Ricinus Communis (Castor) Seed Oil (And) Hydrogenated Castor Oil (And) Tocopherol* 1.00%

Part 2

- Jeenate® 4SW - Jeen International: *Synthetic Wax* 1.50%

Part 3

- **SunBoost ATB Natural** - Kobo Products: *Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol* 2.00%
- D Panthenol - DSM: *Panthenol* 1.00%

Manufacturing Procedure

1. Combine part 1 and heat to 90-95°C while prop mixing until homogeneous.
2. Cool to 70-79°C, then add part 2.
3. Cool batch to 70°C and add part 3.

Description

This lip balm is formulated to nourish and hydrate with a rich, buttery texture and natural ingredients, designed to soothe and soften lips with a glossy, non-sticky finish. It features Plandool™-H, a lanolin replacement ester that provides adhesion and locks in moisture. The formula also contains HL7M5, which adds gloss, stability, and helps suspend particles. The plant-derived ester LUSPLAN™ DD-DA7 contributes to the glossy finish. The film-former KOBOGUARD® NATURAL 3000-CO60 serves as a natural alternative to hydrogenated polyisobutene, improving texture while enhancing moisture retention and protection. Hyacharming®, an ultra-fine sodium hyaluronate dispersed in oil, enhances the moisturizing feel of the balm. Additionally, SunBoost ATB Natural is a combination of argan oil, bisabolol, and vitamin E that improves sun protection while also nourishing, conditioning, and soothing the lips.

KFL-332B

Ceramide Facial Moisturizer

Part 1

- Water - *Water* 61.80%

Part 2

- Butylene Glycol - Genomatica: *Butylene Glycol* 10.00%
- Euxyl™ PE 9010 - Ashland: *Phenoxyethanol (and) Ethylhexylglycerin* 0.90%
- **Phytopresome™ Cera-36** - Nippon Fine Chemical/Kobo Products: *Hydrogenated Lecithin (And) Phytosterols (And) Ceramide NP (And) Ceramide AP* 0.20%

Part 3

- SQUALANE NF - Spectrum Chemical: *Squalane* 15.00%
- Montanov™ 202 - Seppic: *Arachidyl Alcohol (and) Behenyl Alcohol (and) Arachidyl Glucoside* 4.00%
- **SunBoost ATB** - Kobo Products: *Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol* 3.00%
- Lanette® O - BASF: *Cetearyl Alcohol* 2.00%
- **LUSPLAN™ LV-G** - Nippon Fine Chemicals/Kobo Products: *Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate* 2.00%

Part 4

- **EXCEBEADS™ CS-320** - Tokuyama Corp./Kobo Products: *Silica* 1.00%

Part 5

- CITRIC ACID - CItric Acid 0.10%

Manufacturing Procedure

1. Heat part 1 to 70-75C
2. In a separate beaker, stir and disperse part 2 at 70C with propeller mixing.
3. While maintaining heat, add part 2 to part 1 slowly under homogenizer at 3500rpm for 10 minutes.
4. Premix part 3, then add to parts 1 & 2 under homogenizing at 1500-2000rpm for 10 minutes.
5. Add part 4 to parts 1-3 under propeller mixing.
6. pH to 5.5-6.5.

Description

A unique lightweight rich facial cream that is packed with skin loving ingredients. This facial cream uses Phytopresome™ Cera-36, a liposome that encapsulates different ceramides (NP & AP) to improve retention and long-lasting effect. LUSPLAN™ LV-G was incorporated for its skin forming and moisture retention characteristics while EXCEBEADS™ CS-320 provides a silky feeling application. SunBoost ATB was added for its excellent skin conditioning properties and emolliency, while soothing skin due to its Bisabolol and Vitamin E content.