

BENTONE® LUXE XO

Emulsifying Gel

INCI NAME:

C13-15 Alkane,
Disteardimonium Hectorite,
Polyglyceryl-3 Polyricinoleate

APPLICATION:

- Lipcare
- Eye Make-Up
- Lip Products
- Facial Make-up
- Emulsions
- Creams and Lotions
- Water in silicone emulsions
- Sun Protection Products
- After Sun Products

USE LEVEL:

3% to 15%

SUSTAINABILITY CREDENTIALS:

- 99% naturally derived (ISO 16128)
- Cold processable
- Vegan
- RSPO certified

Unique chemistry,
sustainable solutions

BENTONE® LUXE XO

Formulating for 'new-normal' skin care trends

Today's consumers are facing new challenges in their daily skin care. The shift towards more skin cleansing and sanitising routines increase the demand for more nourishing and less irritating application formats.

When formulating for new-normal skin care routines, BENTONE® LUXE XO provides utmost formulation flexibility by stabilising low to extremely high oil loads in water in oil systems.

On the consumers' search for products that feel good on the skin, traditional water in oil formulas fell out of favor due to their heavy texture. BENTONE® LUXE XO creates a unique, luxurious feel. Compared to traditional water in oil formats, BENTONE® LUXE XO provides outstanding stability in suspending pigments and particles even over several freeze-thaw cycles.

In addition to its benefits in classical skin care, BENTONE® LUXE XO supports the water resistance of formulas. Therefore, it is a natural choice in creating high performance sun care and make up with excellent wear resistance and superior film formation.

Key Performance Benefits

- **Providing more stability to all W/O systems**
 - Stabilise high oil system
 - Improve freeze thaw stability for high water system
 - Increased yield value for improved stability and suspension
- **Caring and luxurious sensory**
 - Rich yet velvety skin feel
 - Water-release effect possible
- **Formulation versatility**
 - Suitable for wide range of applications
 - Cold processable
 - Batch to batch consistency
- **Performance**
 - Enhances SPF and water resistance performance
 - Even distribution of pigments
 - Forming a uniform layer on the skin



99% NATURALLY DERIVED



CHINA CONFORM



VEGAN



SUSTAINABLE PALM



COLD PROCESS

BENTONE® LUXE XO
Emulsifying Gel

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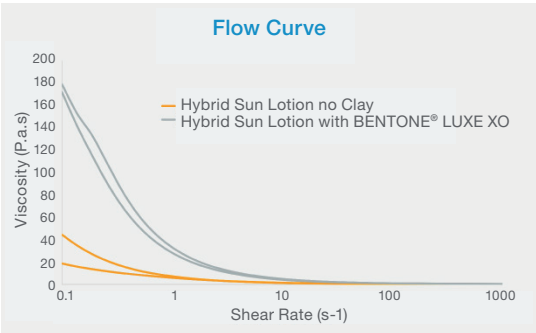
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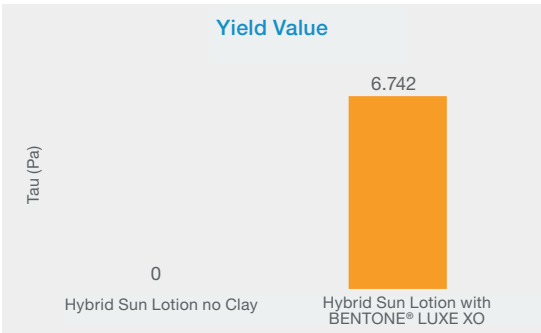
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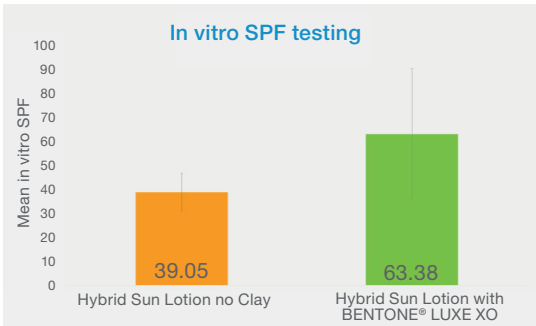
Unique chemistry,
sustainable solutions



The clay improves the rheology of the product by providing a better spread on the skin, even application.



The higher yield value demonstrates a good suspension of the Zinc Oxide. The combination of improved flow, better application, improved suspension and stabilisation for UV filters, give improvements in SPF.



When a formulation is applied to the skin, it will ideally create a uniform layer to achieve an optimal coverage or SPF performance. BENTONE® LUXE XO prevents the emulsion from pooling into valleys, leaving an uneven film on the skin surface. Its three-dimensional network structure features a thixotropic rheology for easy spreadability yet quick viscosity recovery.

Formulation



Heavenly Hemp Body Cream
Experience the burst of hydration on stressed skin with this light sensory hemp oil infused body cream. BENTONE® LUXE XO is the sole emulsifier in this high-water system, allowing for cold processing and an exceptional stability profile.



Hybrid Sun Lotion
Stabilising high amounts of organic UV filters, oils and minerals has never been easier. BENTONE® LUXE XO is a great option when formulating extreme levels of lipophilic ingredients, providing stability and sensory benefits. The combination with mineral UV filters allows for a pleasant powdery finish.

Phase A	
FANCOR® MEADOWFOAM SEED OIL (Limnanthes Alba (Meadowfoam) Seed Oi) ¹	16.50
Hemp Seed Oil (Cannabis Sativa Seed Oil)	10.00
PHASE B	
BENTONE® LUXE XO (C13-15 Alkane (and) Polyglyceryl-3 Polyricinoleate (and) Distearidimonium Hectorite) ¹	10.00
PHASE C	
Deionized Water	59.00
Hyacare (Sodium Hyaluronate 1% Sol.) ²	2.00
Propandiol	1.00
Geogard 221 (Dehydroacetic Acid (and) Benzyl Alcohol) ³	1.00
Sodium Chloride	0.50

1 Elementis 2 Evonik 3 Arxada

Phase A	
Palmester 3575 (Caprylic/Capric Triglyceride) ¹	19.50
Eusolex OCR (Octocrylene) ²	10.00
Eusolex OS (Ethylhexyl Salicylate) ²	5.00
Eusolex 2292 (Ethylhexyl Methoxycinnamate) ²	3.00
PHASE B	
Z-Cote HP-1 (Zinc Oxide (and) Triethoxycaprylylsilane) ³	25.00
PHASE C	
BENTONE® LUXE XO (C13-15 Alkane (and) Polyglyceryl-3 Polyricinoleate (and) Distearidimonium Hectorite) ⁴	10.00
PHASE D	
Deionized Water	25.00
Propandiol	1.00
Geogard 221 (Dehydroacetic Acid (and) Benzyl Alcohol) ⁵	1.00
Sodium Chloride	0.50

1 KLK Oleo 2 Merck 3 BASF 4 Elementis 5 Arxada