

TECHNICAL DATA SHEET

BENTONE® LUXE XO

Non-animal origin rheological additive for cosmetics and toiletries

GENERAL INFORMATION

BENTONE® LUXE XO provides emulsification and rheological properties for silicone free water in oil systems.

BENTONE® LUXE XO creates extremely stable emulsions with the ability to create a variety of textures. Emulsions containing **BENTONE® LUXE XO** apply easily without leaving a greasy film on the skin. This emulsifying gel can create water in oil systems containing extremely high oil content.

BENTONE® LUXE XO can be used in colour cosmetics or sunscreens to disperse and suspend pigments and actives.

INCI NAME

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

CHEMICAL & PHYSICAL PROPERTIES

Colour/Form	Tan Gel
Viscosity, Brookfield Helipath, TF spindle, mm cps @ 2.5 rpm	0.3 – 1.5
Infrared	To match standard
% Ash	8.0 – 10.0
Microbial Content	Max. 100 cfu/g

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Lip care
- Eye makeup
- Lip products
- Facil makeup
- Emulsions
- Creams and lotions
- Water in silicone emulsions
- Sun protection products
- After sun products

KEY PROPERTIES

- Non-animal origin
- Rheological control
- Predictable, reproducible and stable viscosity control
- Shear-thinning viscosity
- Excellent suspension of pigments and actives
- Controlled alignment of special-effect pigments
- Thermostable viscosity raises apparent melting point and ensures cost-efficient use of UV filters
- Emulsion stabilization [w/o]
- Optimally dispersed organoclay and emulsifier
- Incorporates with medium-shear mixing
- Gives a high degree of formulating flexibility
- Provides highly reproducible results for multi-site production requirements
- Non-abrasive
- Provides smooth feel to skin
- Toxicologically safe ingredients

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SHELF LIFE

BENTONE® LUXE XO has a minimum shelf life of 2 (two) years from date of manufacture.

STORAGE RECOMMENDATIONS

Store away from excessive heat. A small amount of solvent may separate from the gel during shipment and storage. This is normal and can be mixed into the system before use.

QUALITY ASSURANCE

Quality and continuous improvement are paramount to our business. Facility manufacturing **BENTONE® LUXE XO** has established strong integrated management system and holds ISO 9001, ISO 14001, ISO 45001 and EFCI GMP certifications.

LEVEL OF USE

The level of use of the **BENTONE® LUXE XO** will depend on the formulation. Typical use levels range from 3 – 15%.

HEALTH & SAFETY

Before using this product, please consult our Safety Data Sheet (SDS) for information on safe handling and storage. The SDS can be found on the company website.

INCORPORATION

BENTONE® LUXE XO is a high viscosity, shear-thinning product. To ensure good homogeneous mixing is achieved, care must be taken to overcome the large viscosity differential existing between the **BENTONE® LUXE XO** and the other lower viscosity components.

BENTONE® LUXE XO should be added to the oil phase of the system under homogenization to ensure proper dispersion. Mix until homogeneous before adding the other ingredients.

COMPATIBILITY

BENTONE® LUXE XO was developed for non-silicone, water in oil systems.

SUSTAINABILITY

BENTONE® LUXE XO is a raw material approved under the RSPO Mass Balance system.



RSPO - 1106301

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