

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 color cosmetics or sunscreens to disperse and suspend pigments and actives.

INCI NAME

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

CHEMICAL & PHYSICAL PROPERTIES

Color / 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

- Lipcare
- Eye Make-Up
- Lip Products
- Facial Make-up
- 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]

Convenience

- 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

Acceptability

- Non-abrasive
- Provides smooth feel to skin
- Toxicologically safe ingredients

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.

LEVELS OF USE

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

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BENTONE[®] LUXE XO

COMPATIBILITY

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

HEALTH AND 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.



RSPO - 1106301

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.

SHELF LIFE

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

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 EFfCI GMP certifications.

SUSTAINABILITY

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

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