

TECHNICAL DATA SHEET

BENTONE® LUXE WS

Non-animal origin rheological additive for cosmetics and toiletries

GENERAL INFORMATION

BENTONE® LUXE WS provides emulsification and rheological properties that facilitate the creation of innovative personal care formulas.

BENTONE® LUXE WS allows the creation of elegant textures with a thixotropic flow and suspension of active ingredients. It improves application properties, enhances skin-feel by masking greasy or tacky components and imparts a pleasant residual silkiness to the skin.

This grade is designed to impart rheological control and suspension to silicone-based cosmetics and emulsion systems. It provides thermostable viscosity control of the emulsion's oil phase. It aids in dispersing pigments and sunscreen actives for even coverage.

INCI NAME

Cyclopentasiloxane, PEG-10 Dimethicone, Distearidimonium Hectorite

CHEMICAL & PHYSICAL PROPERTIES

Colour/Form	Light buff
Viscosity, Brookfield Helipath, TF spindle, Pa.s @ 2.5 rpm	1200 – 4000
Infrared	To match standard
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/s]
- 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

BENTONE® LUXE WS

SHELF LIFE

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

STORAGE RECOMMENDATIONS

This product contains cyclopentasiloxane. Store away from excessive heat.

QUALITY ASSURANCE

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

LEVEL OF USE

The level of use of the **BENTONE® LUXE WS** will depend on the formulation. Typical use levels range from 3 – 10%.

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 WS is a very 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 WS** and the other lower viscosity components.

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

COMPATIBILITY

BENTONE® LUXE WS was developed for high silicone systems. Silicone should make up at least 50% of the oil phase.

SUSTAINABILITY

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



RSPO - 1106301

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