

# BENTONE<sup>®</sup> 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, Disteardimonium Hectorite

### CHEMICAL & PHYSICAL PROPERTIES

Color / Form	Light buff
Viscosity, Brookfield Helipath, TF spindle, Pa.s @ 2.5 rpm	1200 – 4000
Appearance	To Match Standard
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/s]

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 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.

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### LEVELS OF USE

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

### COMPATIBILITY

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

### 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.

### STORAGE RECOMMENDATIONS

This product contains cyclopentasiloxane. Store away from excessive heat.

### SHELF LIFE

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

### QUALITY ASSURANCE

Quality and continuous improvement are paramount to our business. Facility manufacturing Bentone Gels has established strong integrated management system and holds ISO 9001, ISO 14001, ISO 45001 and EFfCI GMP certifications.

### SUSTAINABILITY

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



RSPO - 1106301

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