

# 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

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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## BENTONE<sup>®</sup> LUXE WS

### 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

Since 1992 the company is a holder of the ISO 9001 / ISO 9002 certificates, which guarantees that all operations are conducted according to the stipulated standards.

### SUSTAINABILITY

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



RSPO - 1106301

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