

BENTONE® LUXE DM

Non-animal origin rheological additive for cosmetics and toiletries

GENERAL INFORMATION

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

BENTONE LUXE DM 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

Dimethicone, PEG-10 Dimethicone, Distearidimonium Hectorite, Tocopherol

KEY PROPERTIES

Non-animal origin

Rheological control

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	Less than 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

- 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 stabilisation [w/o and o/w]

Convenience

- Optimally pre-activated and dispersed organoclay
- Incorporates with medium-shear mixing
- Can be added at any convenient stage of manufacture
- 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

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INCORPORATION

BENTONE LUXE DM 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 DM** and the other lower viscosity components.

BENTONE LUXE DM should be added to the silicone 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 DM** will depend on the formulation. Typical use levels range from 3 – 10%.

COMPATIBILITY

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

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.

SHELF LIFE

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

STORAGE RECOMMENDATIONS

Store away from excessive heat.

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.

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SUSTAINABILITY

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



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