

BENTONE® LUXE WN

Non-animal Origin Rheological Additive For Cosmetics And Toiletries

GENERAL INFORMATION

BENTONE LUXE WN provides emulsification and rheological properties for silicone free water in oil systems.

BENTONE LUXE WN creates extremely stable emulsions with the ability to create a variety of textures. Emulsions containing **BENTONE LUXE WN** apply easily without leaving a greasy film on the skin. This emulsifying gel can create water in oil systems containing extremely high water content, creating a hydrating sensation.

BENTONE LUXE WN can be used in color cosmetics or sunscreens to disperse and suspend pigments and actives.

INCI NAME

Caprylic/ Capric Triglyceride , Stearalkonium Hectorite, Polyglyceryl-3 Diisostearate, Polyglyceryl-3 Polyricinoleate

CHEMICAL & PHYSICAL PROPERTIES

Color / Form	Tan
Viscosity, Brookfield Helipath, TF spindle, mm cps @ 2.5 rpm	0.5 – 1.5
Appearance	To Match Standard
% Ash	10.5—12.5
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 WN 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 WN** and the other lower viscosity components.

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

continued...

BENTONE[®] LUXE WN

LEVELS OF USE

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

COMPATIBILITY

BENTONE LUXE WN 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.

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 WN has a minimum 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 WN is a raw material approved under the RSPO Mass Balance system.



RSPO - 1106301

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

© Copyright 2019, Elementis Specialties, Inc. All rights reserved. Copying and/or downloading of this document or information therein for republication is not allowed unless prior written agreement is obtained from Elementis Specialties, Inc.

© Trademark of Elementis Specialties, Inc.

January 2019

North America

Elementis
469 Old Trenton Road
East Windsor, NJ 08512, USA
Tel.: +1 609 443 2500
Fax: +1 609 443 2422

Europe

Elementis UK Ltd.
c/o Elementis GmbH
Stolberger Strasse 370
50933 Cologne, Germany
Tel.: +49 221 2923 2066
Fax: +49 221 2923 2011

Asia

Deuchem (Shanghai) Chemical Co., Ltd.
99, Lianyang Road
Songjiang Industrial Zone
Shanghai, China 201613
Tel.: +86 21 5774 0348
Fax: +86 21 5774 3563