BENTONE HYDROLUXE™ 360

Non-animal origin rheological additive for aqueous cosmetics and toiletries

GENERAL INFORMATION

BENTONE HYDROLUXE™ 360 is an all-in-one clay based emulsifying and stabilising additive for the creation of O/W emulsions. It imparts thixotropic viscosity and good suspension and heat stability to the water phase of cosmetics.

The balanced composition of mild emulsifying agents, consistency enhancers and natural stabilisers provide easy handling, low development effort and reliable results with high batch-to-batch consistency.

The Hectorite clay allows for the creation of stable emulsions with a light touch and pleasant skin feel. Additional stabilisers like carbomers are not required to achieve stable emulsions.

INCI NAME

Glyceryl Stearate Citrate (and) Cetearyl Alcohol (and) Hectorite (and) Xanthan Gum (and) Glyceryl Behenate

CHEMICAL & PHYSICAL PROPERTIES

Apperance	Beige Pellets
HLB Value	Approx.. 12
Melting Point (ºC)	60-70

These are typical properties not to be used for specification purposes.

APPLICATIONS

- Oil in Water emulsions
- Creams
- Lotions
- Deodorants
- Colour Cosmetics
- Face packs
- Facil make-up
- Sun care products
- Hair care products

KEY PROPERTIES

- Natural emulsifying and thickening
- Pellet format allows easy dosage, easy storage and high batch-to-batch consistency
- Increases the viscosity of the aqueous phase and stabilises viscosity on ageing, at varying temperatures and under different shear conditions
- Imparts thermostable thixotropy/pseudoplasticity
- Provides excellent suspension control
- Reduces phase separation and syneresis
- Can be used with all kinds of cosmetic oils, eg. natural oils, esters, silicone oils, alkanes
- Imparts a smooth silky feel to cosmetics and personal care products
- Allows an oil phase volume of 10-35%
- SPF boosting has been observed in formulations containing Hectorite clay

ELEMENTIS

BENTONE HYDROLUXE™ 360

SHELF LIFE

BENTONE HYDROLUXE™ 360 has a minimum shelf life of 2 (two) years from date of manufacture.

STORAGE RECOMMENDATIONS

Store in a cool, dry place.

QUALITY ASSURANCE

Quality and continuous improvement are paramount to our business.

LEVEL OF USE

The typical use level of **BENTONE HYDROLUXE™ 360** are 5.0% based on total system weight for a lotion and cream and up to 7% for pastes, cleansing products and thicker balms.

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 HYDROLUXE™ 360 additive is easy to process.

- Add **BENTONE HYDROLUXE™ 360** to the oil phase or water phase and heat to 75°C with agitation to ensure uniform dispersion.
- In emulsions containing **BENTONE HYDROLUXE™ 360,** the oil phase should be added to the water phase with propeller mixing followed by homogenization for 3-5 minutes. The emulsion should be cooled with propeller mixing.
- **BENTONE HYDROLUXE™ 360** is stable in emulsions with a pH range of 5.5-8.0.

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.
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North America:
Elementis Specialties, Inc. - 469 Old Trenton Road, East Windsor, NJ 08512, USA T: +1 609 443 2500
Europe:
Elementis Plc – The Bindery 5th Floor, 51—53 Hatton Garden, London EC1N 8HN, UK T: +44 207 067 2999
Asia:
Deuchem (Shanghai) Chemical Co., Ltd. - 99, Lianyang Road, Songjiang Industrial Zone, Shanghai, China 201613 T: +86 21 5774 0348