

BENTONE® 27 V

Non-animal Origin Rheological Additive For Cosmetics And Toiletries

GENERAL INFORMATION

BENTONE 27 V non-animal organoclay is an organically modified hectorite designed to impart rheological control and suspension. It is a highly efficient rheological additive for intermediate to high polarity systems such as cyclomethicones, esters, triglycerides, vegetable oils, alcohols and ketones.

INCI NAME

Stearalkonium Hectorite

CHEMICAL & PHYSICAL PROPERTIES

% Loss of Ignition	31.5 – 34.5
% Drying Loss	0.1 – 3.0
% Thru 200 Mesh Sieve	95.0 - 100

These are typical properties not to be used for specification purposes

APPLICATIONS

- Anti-Perspirants
- Colour Cosmetics
- Creams & Lotions
- Sunscreens
- Lipsticks
- Eye Products
- Facial Make-Up
- Haircare Products
- Nail Lacquer

KEY PROPERTIES

Non-animal origin

Rheological control

- Predictable, reproducible and stable viscosity control
- Shear-thinning rheology
- Excellent suspension of pigments and actives
- Controlled alignment of special-effect pigments
- Thermostable rheology
- Reduced syneresis
- Improved emulsion stability [w/o and o/w]

Light in colour

Non-abrasive

INCORPORATION

BENTONE 27 V rheological additive is first dispersed thoroughly in an organic liquid using high-shear. An activator is then added and high-shear mixing continued.

A method for developing optimum performance would be.

1. Charge vessel with a portion of the organic liquid and begin agitation.
2. Add **BENTONE 27 V** additive under agitation and mix for an appropriate time to ensure dispersion.
3. Add the required amount of polar additive and mix for 5 minutes.
4. High-shear step to optimise dispersion.
5. Combine gel with rest of formulation ingredients.

LEVELS OF USE

Typical addition levels of **BENTONE 27 V** additive by weight of total formulation are 0.25 - 3.0% for cosmetics.

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.

SHELF LIFE

BENTONE 27 V has a minimum shelf life of 4 (four) years from date of manufacture.

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BENTONE® 27 V

QUALITY ASSURANCE

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

SUSTAINABILITY

BENTONE 27 V is a raw material approved under the RSPO Mass Balance system.



RSPO - 1106301

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