

- (i) Import and distrubition for Serbia: Avena Lab Farmadria d.o.o.
- info@avenalab.com
- +381 (0) 69 / 55 65 029
- www.avenalab.com

TECHNICAL DATA SHEET

Hectorite Hydroclay

Description: Hectorite Hydroclay additive is a highly beneficiated, easily dispersible powdered smectite clay. It imparts thixotropic viscosity and good suspension control to the water phase of cosmetics.

INCI Name: Hectorite

CAS: 12173-47-6

Chemical & Physical Properties:

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Drying Loss %	max. 7.5
Thru 200 Mesh Sieve %	94.0 – 100.0
Gel Ability (cP)	1600 - 2400

These are typical properties not to be used for specification purposes

Key Properties:

- Vegan
- · Is easily processed as a powder or pre-gel
- 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
- Is non-abrasive and imparts smooth silky feel to cosmetics and personal care products

Incorporation:

Hectorite Hydroclay additive is easy to process. No chemical activator or increased temperature is required.

 Add Hectorite Hydroclay to a vessel containing only water. If necessary, adjust pH level to less than pH 7.5. High pH may lead to dispersion difficulties due to rapid hydration of Hectorite Hydroclay, whereas a low pH leads to reduced efficiency and excessively long hydration times.

Disclaimer: This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitableness & completeness of such information for his own particular use.



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- Mix at highest practicable speed for 10 minutes.
- After sufficient hydration time, introduce glycols, defoamers, biocides, dispersants etc. (mix).
- Add pigments, fillers, active ingredients and disperse.
- · Complete dilution

Use: Typical use levels of Hectorite Hydroclay are 0.3% to 1.0% based on total system weight.

Applications: O/W Emulsions, W/O Emulsions, Creams, Lotions, Anti-Perspirants, Deodorants, Colour Cosmetics, Face Packs, Facial Make-Up, Sun Care Products, Hair Care Products

Country of Origin: Germany

Raw material source: Smectite clay

Animal Testing: Not animal tested

GMO: Not tested for GMOs

Vegan: Does not contains animal-derived components