

Application Sheet

viscosity and texture modifier, thickener

Hectone® products are a range of predispersed organoclays in various oils and solvents. They are used as thickeners and rheological additives in emulsions and other cosmetic preparations. Hectone® products impart a soft and rich skin feel upon application, and the appearance and after feel vary from a mat and dry feel to a slight sheen and soft feel depending on the dispersion media used.

| Trade Name | INCI Name |
|--------------|---|
| Hectone® AF | Hydrogenated Polydecene (and) Disteardimonium Hectorite (and) Propylene Carbonate |
| Hectone® CPS | Cyclopentasiloxane (and) Disteardimonium Hectorite (and) Propylene Carbonate |
| Hectone® DF | Hydrogenated Polyisobutene (and) Disteardimonium Hectorite (and) Propylene Carbonate |
| Hectone® ID | Isododecane (and) Disteardimonium Hectorite (and) Propylene Carbonate |
| Hectone® IH | Isohexadecane (and) Disteardimonium Hectorite (and) Propylene Carbonate |
| Hectone® LA | Limnanthes Alba (Meadowfoam) Seed Oil (and) Disteardimonium Hectorite (and) Propylene Carbonate |
| Hectone® VS | Squalane (and) Disteardimonium Hectorite (and) Propylene Carbonate |

In addition to the standard products, custom tailored Hectones® are available upon request.

Benefits

- improve emulsion stability
- eliminate oil migration
- reduce the sedimentation of physical UV-filters and pigments
- avoid creasing of colour care applications
- SPF stabilizer

Properties

- rheology modifier
- thickener
- pseudoplastic behaviour enhancer



Application Areas

Skin Care

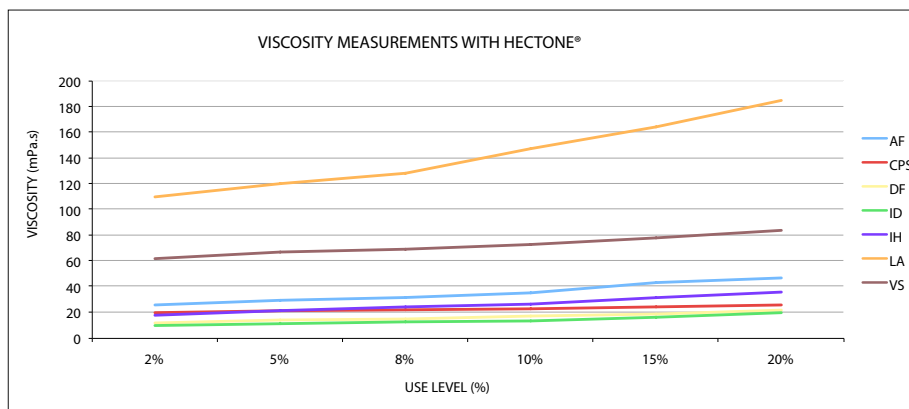
Hectones® are used as thickeners and rheology modifiers in emulsion, anhydrous treatment products and in speciality products such as facial masks. The choice of dispersion media gives flexibility to formulating, allowing to choose one, which is appropriate for the desired skin feel.

Sun Care

Hectones® stabilize sun care emulsions and they prevent the sedimentation of physical UV-filters. Hectones® also improve the water resistancy of formulations and stabilize the SPF values. Hectone® products are photostable.

Colour Care

Hectones® can be used in various colour care applications such as foundations, pressed powder applications, mascaras and stick formulations. Hectones® reduce the sedimentation of pigments and they improve pay out from stick products such as lipsticks. Hectones® improve water-resistance and film forming qualities. Due to their pseudoplasticity, Hectones® prevent the creasing of lipsticks and eye shadows.



Formulating

Hectone® products can be included in all types of emulsions and anhydrous systems. Hectones are not heat sensitive. The use of medium- to high-shear mixing equipment is recommended to overcome the differences in the viscosity between Hectones® and the other ingredients. If only low-shear mixing is available, Hectones® should be stirred alone while adding slowly the most compatible ingredient first while ensuring the homogeneity of the mixture.

Emulsions

Hectones® are to be included in the oil phase before emulsification. Oils or other solvents should be added slowly to the Hectones® under continuous stirring ensuring the mixture is homogenous at each dilution stage.

Anhydrous Systems

Make sure to start with the most compatible oil or solvent, adding it slowly into the Hectone® under stirring. Make sure the mixture is homogenous before adding any other ingredients.

Typical use level: 3-20%

Packaging: 25kg and 100kg open-head drums