

Attapulgate

Technical Data Sheet

Attagel® 50



Attagel® 50 is an inert powdered gelling grade of attapulgate. It is finely pulverized to effectively form colloidal gels in ionic and non-ionic aqueous solutions to provide thixotropic thickening and suspension.

Chemical Composition

(Mg,Al)₅Si₈O₂₀·4H₂O

Properties

Typical Properties

pH (DI Water)	9.8
Bulk Density (loose)	25 lbs/ft ³ 400 kg/m ³
Specific gravity	2.4
FANN Viscosity (3.8% clay in Fresh Water)	28

Physical data

Average particle size (Dry Powder)	9 microns
Residue, +325 wet	0.01 %
Free moisture @ 220 °F, as produced	14 %
Volatile matter @ 1200 °F, moisture free basis	10 %
Color	light cream
Physical form	highly pulverized powder

* The above typical properties are for general information only and should not be used for specification purposes. Performance characteristics vary depending on specific application. All products should be tested in customer's formulation prior to use. This information is subject to change at any time.

Applications

Attagel® 50 is used in the following applications:

- Paints & Coatings
- Chemical Suspension
- Construction
- Ag Suspension – Suspension Conc. Liquid Feed & Suspension Fertilizer
- Adhesives & Sealants

Attagel® 50 is recommended for use in paint and coatings applications where sag resistance, spatter control, and syneresis control is required. In most organic liquid systems, Attagel® 50 can impart thickening and suspension when dispersed with an appropriate surfactant. It is also used in agriculture suspension products for suspending the active formulation ingredients.

Safety

General

BASF recommends that you take the appropriate safety precautions when handling this product as you should when handling all chemicals. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Material Safety Data Sheet

All safety information is provided in the Material Safety Data Sheets for Attagel® 50.

Storage

Attagel® 50 has a shelf life of 5 years, and should be stored in a cool dry place.

Important

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