



Tech

Technical Data

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## FLORIGEL H-Y

### **GENERAL DESCRIPTION:**

Florigel H-Y is a selectively mined Attapulgite clay. It is designed for use in drill fluids whenever ionic contamination from materials such as salts, gypsum, sea water, and cement is encountered or anticipated.

During mechanical mixing with the makeup water, this product's particles are dispersed and interact with each other to form a stable gel structure throughout the liquid. Due to Florigel H-Y's special properties, the makeup water used may be fresh, brackish, saturated with salt, or may contain gypsum or cement. This product is widely used in drilling muds, stucco product, and foundation drilling.

### **APPLICATIONS:**

- ◆ Basic raw materials for a variety of blends
- ◆ Suspension agent in drilling muds & fracturing fluids
- ◆ Creates slurry trench walls for salt contaminated soils

### **PHYSICAL PROPERTIES:**

- ◆ Appearance: Yellow brown/grey powder
- ◆ Odor: non-specific
- ◆ pH: 9.0
- ◆ Solubility in water: mainly insoluble
- ◆ Relative density 2.62 (water=1)

### **HANDLING & STORAGE:**

**Handling:** Handling can be a source of dust emission and working practices should be designed to reduce exposure to a minimum and to prevent the accumulation of dust. The product should where possible be used in controlled conditions (for example by using a dust extractor with filter unit). A clean and tidy workplace also contributes to dust control. Damage to the containers should be avoided. Reduce the release of the product during unpacking. Empty containers that may contain traces of the product should be cleaned before being thrown away or reused.

**Storage:** Store the product ready for use in its original packing in a dry place. Always use closed and clearly and visibly labelled storage containers. Storage material, suitable: Original packaging or closed containers.

**Storage temperature:** No specific requirements.

\*\*\*[For more detail about product handling & safety info, please refer to the Material Safety Data Sheet](#)\*\*\*