

## Attapulgate™

### Suspending Agent

**A**ttapulgate™ suspending agent is a colloidal clay mineral composed primarily of magnesium silicate, silica, and crystalline quartz. In salt water, attapulgate suspending agent swells to approximately 10 times its original volume.

### Applications

Attapulgate suspending agent was designed for saltwater applications. It is used for decreasing slurry weight and increasing slurry volume. It is effective at temperatures up to 500°F (260°C). Typical attapulgate suspending agent concentrations are 2 to 10%.

### Compatibility

Attapulgate suspending agent is compatible with slurries containing fibrous, granular, and flake-type lost-circulation materials.

### Benefits

Attapulgate suspending agent can provide the following benefits:

- It is easily obtained and can provide an effective lost-circulation material when mixed with other common oilfield materials.
- The overall cost for treatment can be less than that of other lost-circulation methods.
- This material can be effective in regular and cavernous lost-circulation zones and where drilling with fibrous, granular, or flake materials has been ineffective.
- Attapulgate suspending agent has a shelf-life of up to 24 months and is not classified as a hazardous waste by the Environmental Protection Agency (EPA).

### Attapulgate™—Product Specifications

Part No. (50-lb sk)	100012204	Specific Gravity	1.470
Part No. (100-lb sk)	516.00256	Bulk Density	53.30 lb/ft <sup>3</sup>
Form	Gray to reddish-brown solid powder		

**For more information on the benefits Attapulgite™ Suspending Agent can bring to your cementing operations, contact your local Halliburton representative.**

*[www.halliburton.com](http://www.halliburton.com)*

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