

## INFORMATION

# HOTGEL

HIGH TEMPERATURE CLAY (SEPIOLITE)

### DESCRIPTION

HOTGEL is a selected sepiolite clay which fully conforms to API standard I3A and OCMA Specification DFCP-1.

### APPLICATION

HOTGEL is designed to build viscosity in all types of water based mud systems. HOTGEL provides temperature stability, some fluid loss control, and better environmental compatibility than other types of salt water clays. Special applications include use in geothermal drilling fluids and as an environmentally safe "sweep" fluid viscosifier, as well as being partially acid soluble for workover/completion applications. HOTGEL is temperature stable with no gelation or dehydration at temperatures in excess of 600° F (315° C).

### RECOMMENDED TREATMENT

To develop viscosity a concentration of 15-20 ppb (42 to 56 kg/m<sup>3</sup>) of HOTGEL is recommended. The optimum concentration required will depend upon the desired viscosity and upon other viscosifiers being used in the mud system. Optimum performance will be obtained through application of high shear during mixing.

### MISCELLANEOUS

For prices, delivery schedules, or further information, please contact any Messina office, local representative or distributor.

### SPECIFICATIONS

Normal API yield ranges from 110 to 125 bbls/ton and in fresh water the water loss will be between 30 and 50 cc in thirty minutes. Moisture content is 18% maximum when shipped from point of manufacture; residue on U.S. Sieve No. 200 8% maximum.

### PACKAGING

HOTGEL is normally packaged in 50 lb net export paper bags. Special bags, palletization, etc. are available upon request.

HOTGEL is a Messina trademark