

# SEA MUD

## Technical Data

### DESCRIPTION

SEA MUD is a specialty clay for drilling mud obtained from the only known commercial sepiolite deposit in North or South America. It functions in a broad range of pH's and is compatible with all common organic additives as well as thinners. SEA MUD has high hole cleaning capacity and weight suspending properties with excellent lubricity. Sea Mud conforms to API Specification 13A-13.1.2 for sepiolite.

Sepiolite is a hydrous magnesium silicate clay mineral,  $Mg_8Si_{12}O_{30}(OH)_4(OH_2)_4(H_2O)_8$ . It is a light weight, non-swelling, porous clay with very high surface area and a lathe-like physical structure. This unique structure forms a gel when mixed in aqueous systems. The very low cation exchange capacity makes it stable such that it will maintain viscous properties in a brine solution.

### TYPICAL PHYSICAL PROPERTIES

Appearance .....	Off-white, fine powder
Moisture As Shipped .....	16% max
200 Mesh Residue (Wet) .....	8% max
Bulk Density(Uncompacted).....	45-55 lbs/cu. ft.
Viscosity* .....	31 avg

\*Viscosity measured on FANN viscometer in salt solution at 600 rpm according to API 13A-13.1.2

### PACKAGING

Available in 50 lb. (3-ply natural bags) & bulk bags.  
Shipped on 42x42 non-returnable pallets.

### STORAGE

Store in a cool, dry place protected from outside weather conditions.

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