

SUPER MUD & HIGH YIELD

POLYMER-BENTONITE COMBINATION

DIRECTIONAL DRILLING AND ROAD BORING APPLICATIONS

DESCRIPTION

Super Mud is an environmentally safe, synthetic polymer in liquid form which is designed to be used in place of bentonite or as an additive to a bentonite drilling fluid. **Super Mud** disposes easily with household bleach (5% Sodium Hypochlorite solution) or 3% Hydrogen Peroxide.

High Yield is a Polymer Extended Sodium Bentonite drilling gel which yields 200 barrels of fluid per ton. **High Yield** has been successfully used as a principal drilling fluid or in conjunction with **Super Mud**.

MIXING PROCEDURE

1. Pretreat makeup water with *Water Treat*, a pH conditioner, to a pH range of 8-10. Normally, 1 lb to 200 gallons of makeup water is sufficient for freshwater.

2. **High Yield** can be sifted into the mixer and circulated with a pump several times until hydration has occurred. Slowly pour a pencil sized stream of **Super Mud** into the mixer or most turbulent point of the water.

3. Light silty soil, some clay, and clayed sand

Mixing ratio is 1 quart **Super Mud** to 300 gallons of pretreated water with a pH 8-10.

Sand (fine to medium), gravel pockets, and loose filled areas

Mixing ratio is 50 lbs of **High Yield** and 1 quart of **Super Mud** to 300 gallons of pretreated water with a pH 8-10.

PACKAGING

Super Mud is available in 5 gallon (19 liter) pails and ½ gallon (2 liter) jugs of six to a case.

High Yield is packaged in 50 lb multi-walled paper bags.

NOTE: The yield and performance of polymers vary and they do not pose the environmental protection features found in **Super Mud**. **Super Mud** equals or exceeds the yield and performance of all polymers currently available. Similarly, all bentonite are not the same. In directional drilling applications, we recommend the use of **High Yield** bentonite because it is a superior bentonite that is rated as an API 200 barrel drilling gel.

