



# DRILLING FLUIDS & SEALANTS

Producers of Bentonite Sealants, Drilling Fluids & Additives with Worldwide Distribution



# BENTONITE SEALANTS

## GRANULAR SEAL™ (8 mesh)

Granulated bentonite that contains no additives. When contacted by water forms a semi-solid, gel-like mass that fills formation voids and prevents surface water from entering subsurface aquifers. Used to seal well casings, to decommission abandoned bore holes and to stop loss circulation during rotary drilling.



## BENTONITE GROUT™

A specially formulated sodium bentonite grout which can be used for drilled hole abandonment, water well grout, sealing monitoring well casing or as a geothermal grout.

## BENTONITE PLUG™ 3/8" Bentonite Chips

Natural sodium bentonite chips for use in sealing casings, plugging flow holes and monitoring well isolation aquifers, well decommissioning, grounding rods and geothermal wells.



## PEL-PLUG™ Bentonite Pellets

High swelling, sodium bentonite compressed into pellet form. Available in 1/4", 3/8" and 1/2" sizes. Forms a high density seal between the sand pack and grout section of monitoring wells. Can be tremmied into place or placed through a hollow stem auger.



## PEL-PLUG TR30™ Time-Release Coated Bentonite Pellets

High swelling bentonite with a time-release, biodegradable, non-stick coating. The TR30 coating allows the pellets to be poured through standing water without sticking together for up to 30 minutes, thus allowing for deeper settings. Available in 1/4", 3/8" and 1/2" sizes. Can be tremmied into place or placed through a hollow stem auger. TR60 allows up to 60 minutes and the TR90 up to 90 minutes.



# DRILLING FLUIDS



## **SUPER MUD DRY™ Dry Granular Polymer**

A synthetic polymer in dry granular form that allows for rapid increases in viscosity and has the same capabilities as Super Mud liquid. The higher viscosities improve particle removal from the bore hole and assists in sealing porous soils.



## **SUPER MUD™ Liquid Polymer**

An environmentally safe, fast mixing drilling fluid used for building viscosity in mud rotary drilling. Excellent clay and shale inhibitor, works well in both fresh and salt water, allows faster drilling, reduces well development time, prevents bit balling, lowers fluid loss, is cost efficient and can be broken down. Can also be mixed with foam during air drilling operations.



## **HIGH YIELD GEL**

A polymer extended sodium bentonite that yields a minimum 200 barrels of API fluid per ton of material. It mixes rapidly for quick hydration and carries cuttings in mud with lower soil content. High Yield gel diminishes fluid loss conditions, reduces seeping into permeable formations and helps eliminate loss circulations.



## **TEST EQUIPMENT**

Marsh Funnel, Viscosity Cup, pH Papers, Mud Scale, Fluid Sampler, Stopwatch and Sand Content Kit.

# & ADDITIVES

## POLYORE™ Guar Gum

A biodegradable, natural polymer. Formulated for easy and quick dispersion. This guar gum drilling fluid removes cuttings fast and effectively. Ideal for drilling recovery wells, test wells and exploration borings.



## WETTING AGENT

A detergent solution which is used as an additive to keep bits and rods clean and improve fluid loss control. Prevents swelling in clays and lubricates as well.



## WATER TREAT™ Soda Ash

A safe, inexpensive, easy to mix product for conditioning and maintaining the pH and reducing the hardness of drilling fluids.

## SUPRA FOAM™ Drilling Foam

A highly concentrated air drilling foam for air drilling or percussion operations. Improves penetration rate and lifts cuttings away from the bit face and up the bore hole while adding body to the air flow which allows for deeper drilling with limited air supply.

Mixes well with polymer.



## WATER WELL & ENVIRONMENTAL



## HORIZONTAL & DIRECTIONAL



## FOUNDATION DRILLING



*PDS produces a comprehensive line of high performance drilling fluids and bentonite sealants for a variety of drilling, construction and excavation operations. Many of our products are NSF/ANSI standard 60 certified.*

*Our bentonite mining facility in west Texas produces premium quality sodium bentonite clay which is processed into various bentonite products for specific groundwater, environmental and industrial applications.*

*Bentonite pellets are our specialty. PDS has developed an innovative, biodegradable, non-stick, time-release coating which allows bentonite to be poured through standing water without sticking together or bridging.*

*PDS's toll free customer service number is available 24 hours a day, 7 days a week. Please contact us for the location of the distributor nearest you.*



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