



*HOW TO GET OUT OF TROUBLE QUICKLY*

# AQUAFIX™

A powerful fluidifier and deflocculant for contaminated clay muds.  
An effective cement-bentonite filtrate reducer.

## INFORMATION SHEET

<b>Composition</b>	Aqueous solution of neutralized homopolymer of acrylic acid.
<b>Polymer content</b>	43%
<b>Physical properties</b>	Yellow viscous liquid. pH = 7.5 ± 0.5. Completely soluble in water @ 20°C. Specific Gravity : 1.3
<b>Proportioning</b>	.25 to 1.5 Kg of AQUAFIX™ per cubic meter of any bentonite based mud to be treated (2 to 12 Lbs/1,000 gal.).
<b>Toxicity</b>	None.
<b>Impurities</b>	None.
<b>Packaging</b>	55 gal. plastic drum.
<b>Storage and Handling</b>	Avoid metal containers. No particular precautions.
<b>Spillage</b>	Minor spills may be flushed with water and major spills should be collected for disposal.
<b>Precautions</b>	None.
<b>Fire</b>	Normal fire extinguishing agents (foam, carbon dioxide...).



## **AQUAFIX™ APPLICATIONS**

The dispersive and deflocculating properties exhibited by AQUAFIX™ with clays make it the choice additive for any bentonite based mud. Superior performance is demonstrated with either pure clay muds or cement-bentonite slurries. AQUAFIX, when used as a mud cleaner, will drop suspended silts fast.

### **DRILLING MUDDS**

#### **Fluidifier for bentonite slurry**

Add .25 to 1 Kg of AQUAFIX™ per cubic meter (2 to 8 Lbs/1,000 gal.) when excessive suspended fines or swelling clay shale add to the mud weight and cause an increase in viscosity.

#### **Deflocculent for contaminated muds**

Add .5 to 1.5 Kg of AQUAFIX™ per cubic meter (4 to 12 Lbs/1,000 gal.) to return to new mud properties after being contaminated with cement, gypsum or calcium ladden aquifers.

### **CEMENT-BENTONITE SLURRIES**

#### **Fluidifier**

Adding AQUAFIX™ at the end of the mixing cycles reduces dramatically the slurry viscosity no matter the cement concentration.

#### **Filtrate reducer**

A substantial reduction in filtrate loss can be achieved by adding AQUAFIX™ at a rate to .5 to 1.5 Kg per cubic meter (4 to 12 Lbs/1,000 gal.) to the bentonite slurry before adding cement (up to a water/cement ratio of 2). This addition reduces the loss of water to the ground and the adverse slurry or grout thickening. This is of particular value for cement-bentonite cutoff walls by reducing ingredients overconsumption.

#### **Retarder**

AQUAFIX™ will act as a cement retarder. Retardation will vary in relation to the AQUAFIX™ proportioning and cement content. Workability and fluid life are increased significantly.

## **AQUAFIX™ IN BRIEF**

### **Drilling muds**

Fluidifier, deflocculent, helps drop silt.

### **Stable Grout**

Fluidifier, filtrate reducer.

### **Cement-bentonite cutoff walls**

Fluidifier, retarder, filtrate reducer.

### **Structural elements installed in C.B. trenches**

Fluidifier, retarder, filtrate reducer maintaining formulated water/cement ratio easing the placement of precast elements (pipeline, manholes, prefab. shoring systems).