



*HIGHEST PERFORMANCE AT THE LEAST COST*

# PREMIX™

Quick and Easy Mixing Dry Polymer.

## INFORMATION SHEET

<b>Composition</b>	High molecular weight Acrylamide/sodium acrylate copolymer.
<b>Active content</b>	98%
<b>Physical properties</b>	White/creamy small granules like coarse sugar. Slight ammonia odor. pH = 8.5 at recommended concentration. Solubility in water : 10% @ 20°C. Bulk density : 0.8 g/cm <sup>3</sup> (34 Lbs/CF).
<b>Proportioning</b>	.03% to .3% of PREMIX™ depending on water quality and viscosity required. Best pH range for optimum yield: 10-12. Use alkali to boost pH. Never mix with water at pH<6.5.
<b>Toxicity</b>	None.
<b>Impurities</b>	None.
<b>Packaging</b>	50 Lbs multiply, poly. lined bags. 40 bags per pallet.
<b>Storage and Handling</b>	Keep floor area clean : very slippery product when wet.
<b>Spillage</b>	Sweep or vacuum dry powder. Use absorbing materials if wet. Flush spill area with chlorinated water.
<b>Breakdown</b>	Mud viscosity may be broken with strong oxidizers such as chlorine or a mild acid preferably in dry form.
<b>Fire</b>	Use Carbon Dioxide (CO <sub>2</sub> ) foam extinguishers.



## PREMIX™ APPLICATIONS

**PREMIX™** is a multipurpose polymer which can be used in most drilling operations, from small diameter holes to large drilled piers. Performs well in all fine soils and rock formations. Absolutely great for all forms of drilling in clayey soils. Good for any excavation in cohesive soils with a head over GWT.

**PREMIX** is a high molecular weight and **PREMIX XXL** is a very high molecular weight polymer.

### **DIAMOND CORING**

Better lubrication, cooling and cleaning of the drill bit will increase bit life, cleaner holes

### **GEOTECHNICAL CORE SAMPLING**

Possibility of 100% recovery in cohesionless sands with geotechnical core barrel

### **ROTARY DRILLING**

Fast and clean hole drilling(tiebacks, pin piles, piezometers). Best grout/soil bond, degrade with cement

### **DRILLED PIERS**

Augered holes from 12 to 108 inches in most cohesive soils. Use caution in cohesionless soils.

### **AIR AND PERCUSSION DRILLING:**

Powerful foam stabilizer with good hole stability and better cuttings uplift.

### **WATER WELLS**

Perfectly safe for water wells with proper breakdown and development procedures.

### **ALL DIAMETERS TUNNELING**

All jacked pipe technologies benefit from the exceptional lubricating qualities of this polymer slurry which can be pumped at any viscosity (slurry up to grease consistency).

Soil conditioner for earth pressure balance shield in the slurry form or dispensed as stabilized foam. Increases advance rate in plastic and clayey soils by preventing wheel smear and mucking auger fouling.

### **CAISSON SINKING**

Lubricating slurry for gravity sunken caissons.

### **RESIDUAL WATER TREATMENT**

Used as flocculating agent resulting from the strong wrapping properties of the polymer.

## PREMIX™ IN BRIEF

Easy to mix dry powder.

More polymer per dollar compared to emulsions.

Ideal for working in all cohesive soils.

Very easy to dispose.

Harmless to the environment.