

# WATER TREAT

## pH CONDITIONER

### DESCRIPTION

**Water Treat** is a pH conditioning additive which is designed to enhance the performance of the slurry. When added to a slurry, **Water Treat** increases the pH of the slurry and precipitates metallic ions, such as calcium and magnesium, as insoluble carbonates making them neutral or non-contamination. **Water Treat** is especially useful and necessary when acidic water is used, acidic soil or groundwater is encountered, or when brackish or saltwater condition exists.

Before drilling operations are begun and prior to mixing of the slurry, the pH of the makeup water should be checked. On the pH scale, 7 is the neutral point, below 7 is acidic, and above 7 is alkaline. **Super Mud** and **Super Mud Dry**, as well as most other drilling fluids including bentonite, work best on the alkaline side. For use with **Super Mud** and **Super Mud Dry**, we recommend maintaining a pH level between 8 to 10 in freshwater and a pH of 10 in saltwater.

**Water Treat** should be added to the makeup water prior to mixing of the other slurry materials.

### RECOMMENDED USAGE

|                    |                              |                   |
|--------------------|------------------------------|-------------------|
| Fresh water        | 1 lb : 200 gallons of water. | ½ kg : 800 liters |
| Brackish/saltwater | 1 lb : 100 gallons of water. | ½ kg : 400 liters |

To mix, slowly sift **Water Treat** into the makeup water or slurry. pH of the slurry should be monitored throughout the drilling operation and **Water Treat** should be added as necessary to maintain proper pH level and buffer against contaminants. **Water Treat** can be added directly to the hole, in the slurry tank, or mud pit.

