

## INFORMATION

# REDI-pH

## ALKALINITY STABILIZER

### DESCRIPTION

REDI-pH is a fine white powder which at low concentrations establishes a buffered pH in the range of 9 to 10, depending on makeup water and solids present.

### APPLICATION

REDI-pH is used to maintain optimum alkalinity in the Messina REDI-DRIL mud system. REDI-pH is preferable to caustic soda for freshwater REDI-DRIL applications because RE+DI-pH is considerably more efficient, as well as less hazardous to handle. REDI-pH establishes buffered alkalinity, i.e., it is resistant to pH change.

### RECOMMENDED TREATMENT

Normally treatments of 0.05 to 0.1 ppb (0.14 to 0.29 kg/m<sup>3</sup>) are sufficient to establish desired alkalinity.

### LIMITATIONS

In systems containing high concentrations of soluble magnesium the effectiveness of REDI-pH may be reduced or negated. If pilot tests indicate reduced effectiveness, caustic soda or potassium hydroxide should be used for alkalinity control. High concentrations of drilled solids or clay will also reduce yield of REDI-pH.

### PACKAGING

REDI-pH is normally packaged in 50 lb or 25 kg net multiwall bags, or in plastic pails of the same net weight.

International packaging may vary.

REDI-pH is a Messina trademark