SODIUM BICARBONATE
NEUTRAL PH BUFFER

DESCRIPTION
SODIUM BICARBONATE, NaHCO₃ is used to lower the pH of drilling slurry from a pH of 12-13 (alkaline) to a neutral pH range of 8-9. A white powder, SODIUM BICARBONATE is also added to a base drilling fluid as a pH neutralizing additive. A buffer, SODIUM BICARBONATE is added to acidic water to raise the pH to 8-9.

RECOMMENDED USE
SODIUM BICARBONATE is used to treat cement contamination in SHORE PAC drilling slurry and bentonite water based drilling fluids. It is also used as a buffer. SODIUM BICARBONATE will remove calcium and manganese making hard water soft.

CHARACTERISTICS
• Easy to mix and use, soluble in water
• Economical method to lower pH
• Safe to use, noncombustible

MIXING AND APPLICATION
SODIUM BICARBONATE should be added to the mixing water prior to mixing the primary drilling product. SODIUM BICARBONATE dissolves readily in water. Add slowly through a hopper at a ratio of 5 lbs per 1,000 gallons mix water.

CHARACTERISTICS
Appearance White powder
Solubility 7.8 g/100 g water @ 64 °F (18 °C)
pH (1% solution) 8.3
Density 2.2

PACKAGING
50 lb bags, 49 bags per pallet.