



Sodium Bicarbonate

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

Advantages: • Easy to mix and use, soluble in water.

Economical method to lower pH.

Safe to use, noncombustible

Mixing and Applications: 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 per1000 gallons mix water.

Characteristics: Appearance White powder

Solubility 7.8g/100g water @ 64 °F (18 °C)

pH (1% solution) 8.3 Density 2.2

Packaging: 50 lb, multi-wall bags, 49 bags per pallet.