

SODIUM BICARBONATE

NEUTRAL PH BUFFER

DESCRIPTION

SODIUM BICARBONATE, NaHCO_3 is used to lower the pH of drilling mud 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. IMO should be “pH to 8–8,5”.

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. Suggested ratio is 0,5 kg to 1,2 kg per 1000 kg mix water.

CHARACTERISTICS

Appearance	White powder
Solubility	7,8 g/100 g water @ 18°C
pH (1% solution)	8,3
Density	2,2

PACKAGING

25 kg bags, 40 bags per pallet. All pallets are plastic-wrapped.