

SODIUM BICARBONATE

Neutral
pH Buffer

SODIUM BICARBONATE is used to lower the pH of drilling fluid slurries from a pH of 12 – 13 (alkaline) to a neutral pH range of 8 – 9. **SODIUM BICARBONATE** can be added to a base drilling fluid as a pH neutralizing additive. **SODIUM BICARBONATE** is also used as a buffer when added to acidic water to raise the pH to 8 – 9.

	Specifications
Appearance	White powder
pH (1% aqueous solution)	8.3
Bulk Density, lbs/ft ³	2.2

Directions for Use

SODIUM BICARBONATE should be added to the make-up water prior to mixing the primary drilling material. **SODIUM BICARBONATE** dissolves readily in water. Add **SODIUM BICARBONATE** slowly through a feed hopper directly into the make-up water at a ratio of 5 lbs. per 1,000 gallons of make-up water.

Packaging

SODIUM BICARBONATE is packaged in 50lb (22.7kg) multiwall paper bags.

Applications/Functions

- Treat cement contamination in drilling slurry and bentonite water-based drilling fluids
- Softens water by removing calcium and manganese

Advantages

- Easy to mix and use
- Economical method to lower pH
- Safe to use



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