



TECHNICAL DATA SHEET
April 1, 2011

SODIUM BICARBONATE
Calcium Treatment

Description:

SODIUM BICARBONATE (NaHCO_3) - Common name for baking soda, is a white hygroscopic powder.

Application:

SODIUM BICARBONATE is used primarily for removing calcium from muds with pH above 9.0, especially calcium contamination due to cement. A reduction of pH of a mud system toward the 8.3 pH level occurs after it's use.

The amount of **SODIUM BICARBONATE** required depends upon the amount of soluble calcium present in the system. It is recommended that **SODIUM BICARBONATE** be added in one-half pound per barrel increments until the desired result is obtained. One pound of **SODIUM BICARBONATE** reacts with approximately 1.1 pound of cement. Over treatment often results in increased gel strengths, especially in lightly treated muds.