SODIUM BICARBONATE

P1611.9305

WBM/OBM Drilling

Product Description

SODIUM BICARBONATE (NaHCO?) is utilized to precipitate soluble calcium in water base drilling fluids. It is used primarily for treating cement contaminated drilling fluids.

Product Function

SODIUM BICARBONATE should be mixed through the mud hopper. Do not use Sodium Bicarbonate to treat make–up water. Use Soda Ash for softening water, over treatment with Sodium Bicarbonate will result in carbonate / bicarbonate contamination of the drilling fluid resulting in rheological and filtration control problems.

Features and Benefits

SODIUM BICARBONATE provides two basic functions: (1) removes soluble calcium (2) lowers pH of the drilling mud

Recommended Treatment

Pretreatment with 0.25–0.5 lbs/bbl (0.7–1.4 kgs/m3) of Sodium Bicarbonate as a precaution before drilling out cement. When “green” cement is drilled, the treatment with Sodium Bicarbonate may need to be doubled or even tripled. Bicarbonates of soda will result in decrease in pH, allowing the calcium solubility to increase.

International Shipping References

Transportation of SODIUM BICARBONATE is not restricted by any regulatory agency.

Standard Packing

SODIUM BICARBONATE is packaged in 25 kgs or 50 kgs multiwall paper and polyethylene liner sack.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Reservoir Compatible: Both
- Sub Category:
- SG value: 2.159
- Purityss: 99 min
- Bulk Density Kg/m³: 850 - 900
- Max Temperature: 300
- Category: Commercial
- Product Tier: Regular
- Appearance: White crystalline free flowing powder
- pH (1% solution): 8.0 - 8.8

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