

SODIUM BICARBONATE

Industrial Grade

TREATS CEMENT CONTAMINATION

Sodium Bicarbonate (NaHCO_3) is commonly known as Bi-Carb, Baking Soda or Bicarbonate of Soda.

Sodium Bicarbonate is most commonly used for treating cement contamination by precipitating the calcium as calcium carbonate and reducing the pH. The available H^+ ion can reduce the pH in any drilling fluid with a pH above 8.5.

As a pre-treatment for drilling hard cement, 22.6 kg of Sodium Bicarbonate will treat approximately 1 cubic foot of cement. If green cement is anticipated, 2-3 times as much Sodium Bicarbonate will be required.

PHYSICAL PROPERTIES:

Appearance: White crystalline powder
Specific Gravity: 2.22
Bulk Density: 1040 kg/m^3
Moisture Content: 0.25%
Melting Point: 270°C

CHEMICAL PROPERTIES:

Type: Chemical compound
Solubility: Soluble (9.5% @ 20°C)
pH: 8.5
Microtox: Not applicable

MIXING & HANDLING

Sodium Bicarbonate can be added directly through the hopper. Avoid inhaling and minimize skin contact. Sodium Bicarbonate absorbs moisture and dries the skin. Keep stored in a cool dry place to prevent caking and deterioration. Store away from acids. It is advisable to use a dust mask and eye protection while mixing all powdered products.

WHMIS: Controlled (see SDS)

TDG: Not regulated

Packaging: 50 lb sack

