



SODIUM BICARBONATE

DESCRIPTION

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

PROPERTIES

Physical		Chemical	
Appearance:	White crystalline powder	Type:	Chemical Compound
Specific Gravity:	2.22	Solubility:	Soluble (9.5% w/w @ 20°C)
Bulk Density:	1040 kg/m ³	pH:	8.5
Moisture Content:	0.25%	Microtox:	Not applicable
Melting Point:	270°C		

APPLICATION

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.

MIXING AND 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: Not controlled	TDG: Not regulated	PACKAGING: 50 lb sack
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